

Download GenBank from NCBI

- Download NG Accession
- Download NC Accession
- Save GenBank

Gene ▾ EGFR

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Variation

Welcome to NCBI

The National Center for Biotechnology Information advances science and health by providing access to biomedical and genomic information.

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Get Started

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Genomic Structural Variation

dbVar archives large scale genomic variation data and associates defined variants with phenotypic information.



|| 1 2 3 4 5 6 7 8

Popular Resources

PubMed

Bookshelf

PubMed Central

PubMed Health

BLAST

Nucleotide

Genome

SNP

Gene

Protein

PubChem

NCBI Announcements

NCBI's April Newsletter is on the Bookshelf

04 May 2012

Information about May's Discovery Workshop, the new GTR and Assembly

New Filter Sidebar has been added to PubMed

Gene

Gene

EGFR

Search

Save search Advanced

Help

Show additional filters

Display Settings: Tabular, 20 per page, Sorted by Relevance

Send to:

Hide sidebar >>

Clear all

Gene sources

- Genomic
- Mitochondria
- Organelles
- Plasmids

Categories

- Alternatively spliced
- Annotated genes
- Non-coding
- Protein-coding
- Pseudogene

Sequence content

- CCDS
- Ensembl
- RefSeq
- RefSeqGene

Status

clear

Current only

Did you mean EGFR as a gene symbol?
Search Gene for [EGFR](#) as a symbol.

Results: 1 to 20 of 3600 << First < Prev Page 1 of 180 Next > Last >>

Filters activated: Current only. [Clear all](#) to show 3615 items.

Name/Gene ID	Description	Location	Aliases
<input type="checkbox"/> EGFR ID: 1956	epidermal growth factor receptor [<i>Homo sapiens</i> (human)]	Chromosome 7, NC_000007.14 (55019032..55207338)	ERBB, ERBB1, H
<input type="checkbox"/> Egfr ID: 13649	epidermal growth factor receptor [<i>Mus musculus</i> (house mouse)]	Chromosome 11, NC_000077.6 (16752203..16913907)	RP23-295E4.1, Erb1, Errp, Was
<input type="checkbox"/> Egfr ID: 37455	Epidermal growth factor receptor [<i>Drosophila melanogaster</i>]	Chromosome 2R, NT_033778.4 (21522420..21559977)	Dmel_CG10079, DEGFR, DER, D ball, DER/top, D Der, DmHD-33, [

Filters: [Manage Filters](#)

Top Organisms [\[Tree\]](#)

- Homo sapiens (1140)
- Mus musculus (231)
- Drosophila melanogaster (132)
- Rattus norvegicus (108)
- Listeria monocytogenes (39)
- All other taxa (1980)

More...

Find related data

Database:

Select

Find items

Search details

EGFR[All Fields] AND alive[property]

Scroll down to Genomic regions, select the appropriate assembly

Genomic context

Location: 7p12 See EGFR in [Epigenomics](#), [MapViewer](#)
Exon count: 30

Annotation release	Status	Assembly	Chr	Location
106	current	GRCh38 (GCF_000001405.26)	7	NC_000007.14 (55019032..55207338)
105	previous assembly	GRCh37.p13 (GCF_000001405.25)	7	NC_000007.13 (55086678..55279262)

Chromosome 7 - NC_000007.14

Genomic regions, transcripts, and products

Download NG or NC Accession to [reference sequence details](#)

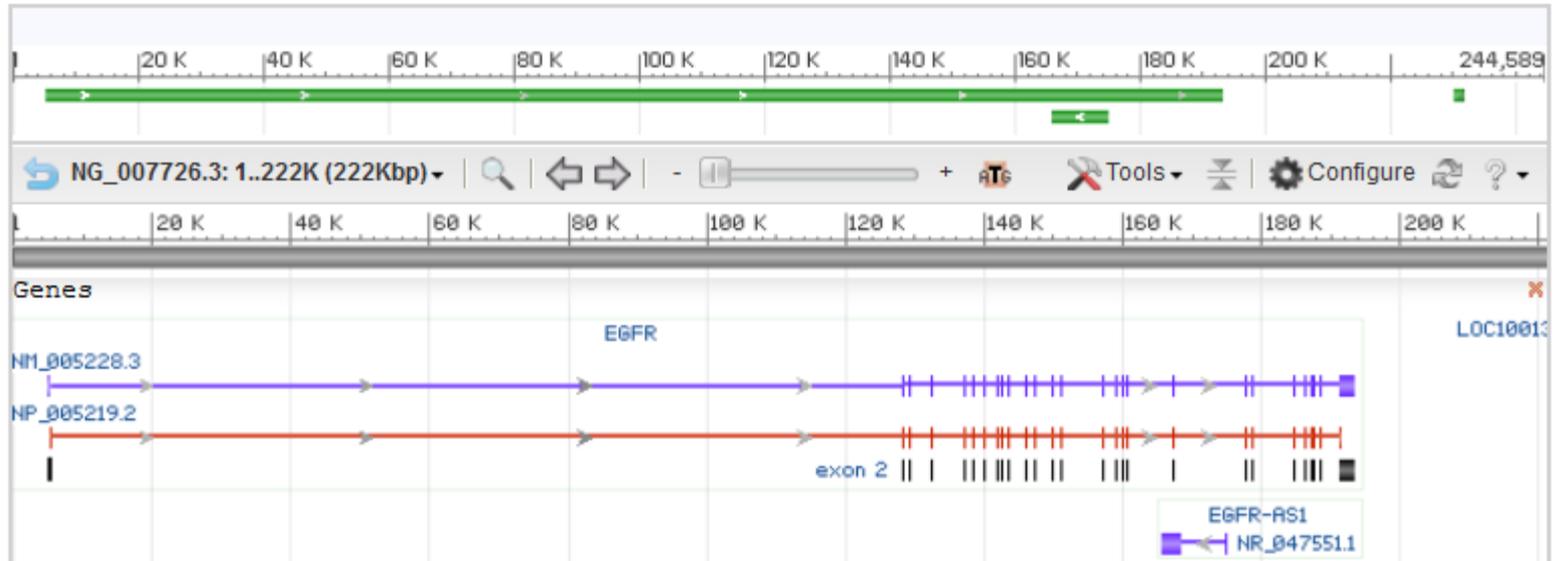
Gen: 
NC_000007.14 chromosome 7 reference GRCh38 Primary Assembly
NG_007726.3 RefSeqGene
NC_018918.2 chromosome 7 alternate CHM1_1.1
AC_000139.1 chromosome 7 alternate HuRef
NC_000007.13 Chromosome 7 Reference GRCh37.p13 Primary Assembly

- NG accession is the RefSeq
- Most RefSeq GenBanks contain only a single transcript
- NG accession can show dbSNP
- Nucleotide positions do not relate to chromosome coordinates
- Click “GenBank” link to download NG Accession

Genomic regions, transcripts, and variants

Genomic Sequence:

Go to nucleotide: [Graphics](#) [FASTA](#) [GenBank](#)



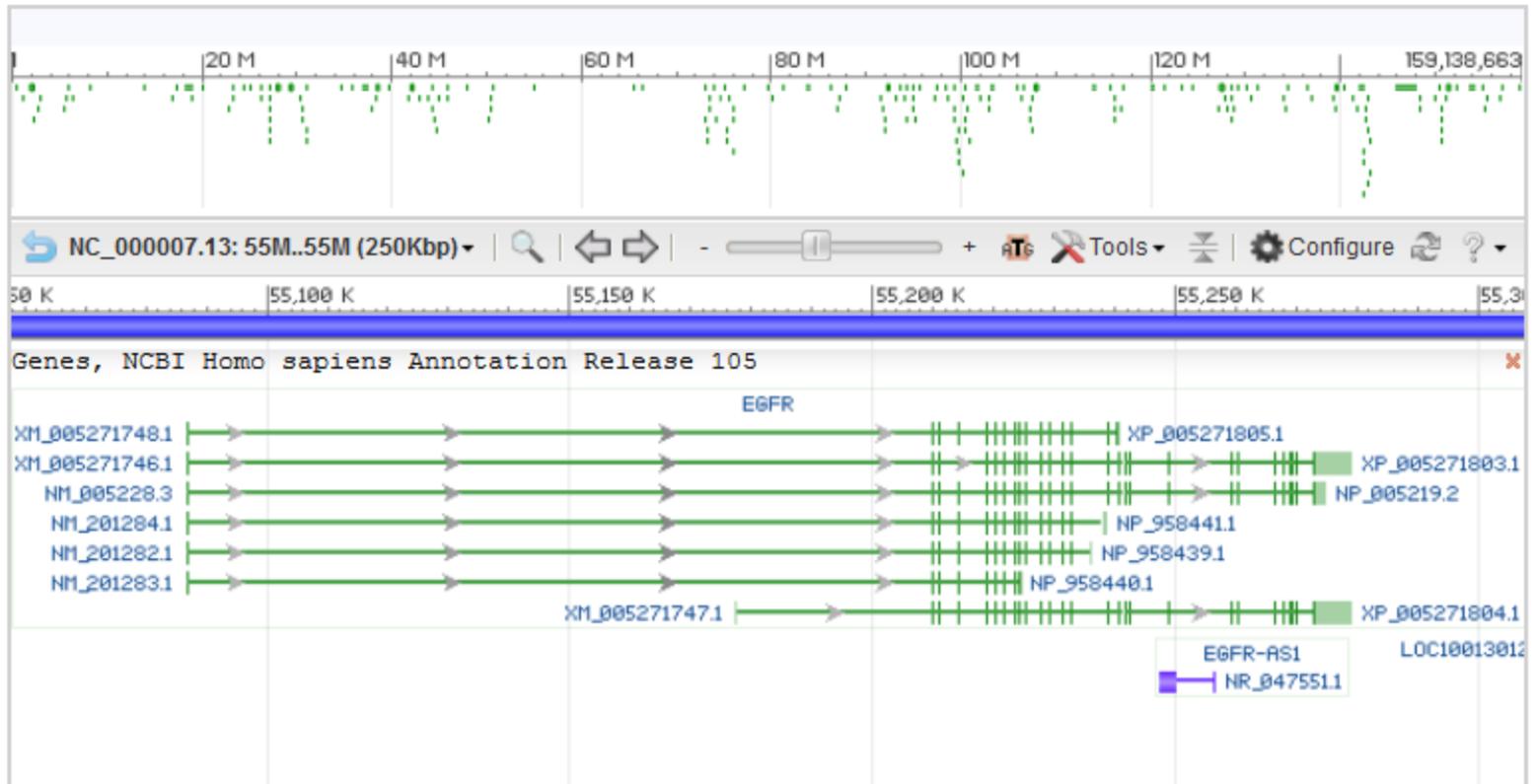
- NC Accessions often contains Several Transcripts
- NC Accessions do not have dbSNP
- Nucleotide positions are chromosome coordinates
- Click “GenBank” link to download NC Accession

Genomic regions, transcripts, and products

Go to [reference sequence details](#)

Genomic Sequence: NC_000007.13 Chromosome 7 Reference GRCh37.p13 Primary Assembly ▾

Go to nucleotide: [Graphics](#) [FASTA](#) [GenBank](#)



Nucleotide Nucleotide

Advanced

Display Settings: GenBank

Homo sapiens chromosome 7 genomic scaffold, GR Assembly HSCHR7_CTG1

NCBI Reference Sequence: NT_007819

[FASTA](#) [Graphics](#)

Go to:

LOCUS NT_007819
 DEFINITION Homo sapiens chromosome 7 genomic scaffold, GR Assembly HSCHR7_CTG1.
 ACCESSION [NT_007819](#) REGION: 55009032..55197338 GPS_003205514
 VERSION NT_007819.18 GI:568815311
 DBLINK BioProject: [PRJNA168](#)
 Assembly: [GCF_000001405.26](#)
 KEYWORDS RefSeq.
 SOURCE Homo sapiens (human)

Choose Send
 Choose "File" Destination
 Choose "GenBank" Format
 Click "Create File"

Send:

- Complete Record
- Coding Sequences
- Gene Features

Choose Destination

- File
- Clipboard
- Collections
- Analysis Tool

Download 1 items.

Format

GenBank

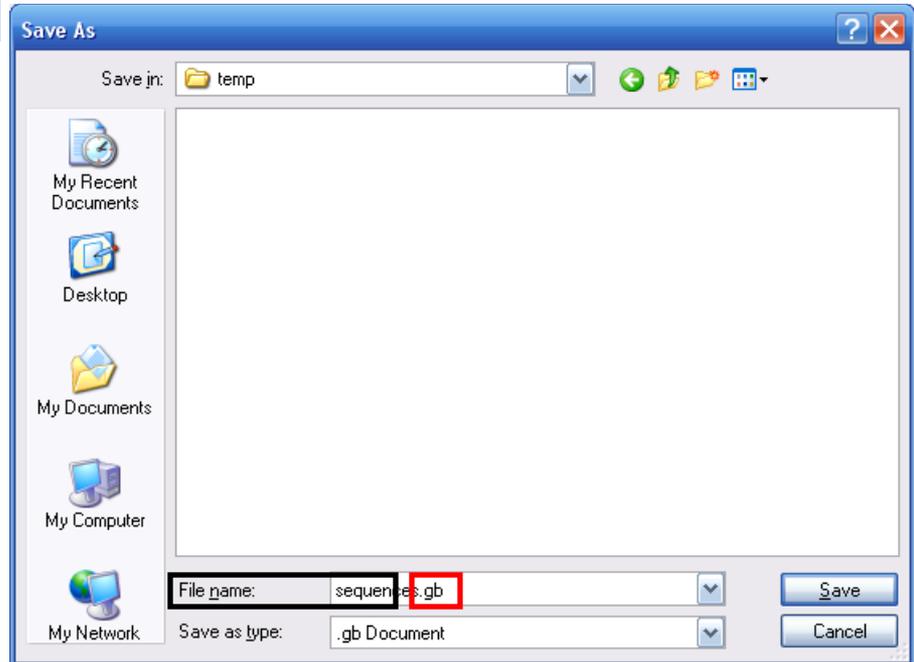
Create File

Features added

2522401 SNPs



Choose to Save File.



Gbk File Editor - C:\Documents and Settings\HP_Administrator\Desktop\EGFR.txt

File Edit Search Tools Help

Basic Information Sequence

Item	Value
Region	247..334,123255..123406,124274..124457,127575..127709,132263..132331,133515..133633,134980..13512
InterestRegion	
CodonStart	1
product	epidermal growth factor receptor isoform a
protein_id	NP_005219.2
note	isoform a is encoded by transcript variant 1;epidermal growth factor receptor (avian erythroblasticleukemia viral
translation	MRPSGTAGAALLALLAALCPASRALEEKVKCGT SNKLTQLGTFEDHFLSLQRMFNNCEWVLGNLEITYVQRNY
Corresponding_mRNA_Region	NM_005228.3
External primer	
Internal primer	

Choose the appropriate protein for your analysis

Advanced GBK File Editor - C:\Documents and Settings\HP_Administrator\My Documents\Downloads\EGFR_NC.txt

File Edit Search Tools

New GBKFile

- Gene
 - EGFR
 - CDS
 - NP_005219.2
 - NP_958441.1
 - NP_958439.1
 - NP_958440.1
 - mRNA
 - NM_005228.3
 - NM_201284.1
 - NM_201282.1
 - NM_201283.1
- LOC100507500
- Variations

Basic Information

Item	
CDS	80..135121,136799..136915,137502..137628,137728..137812)
Region of Interest	
Amplicon ID	
External primer	
Internal primer	
CodonStart	
product	
protein_id	
note	derived by automated computational analysis using gene prediction r
translation	MRPSGTAGAALLALLAALCPASRALEEKKVCQGTSNKLTQLGTFEDHFLSLQRMFNNCEVVLGNLEITYVQRNYDLSFLKT
Corresponding_mRNA_Region	NM_201283.1
transl_table	

Save As

Mode

- Selected gene region
- Selected gene region, Selected mRNA region
- Seq files for selected CDS

OK Cancel

- Choose Save As from File menu
- Choose Selected gene region, selected mRNA region
- Then open this GBK file for your project.

Advanced GBK File Editor - C:\Documents and Settings\HP_Administrator\My Documents\Downloads\EGFR_NC.txt

File Edit Search Tools

New GBKFile

- Gene
 - EGFR
 - CDS
 - NP_958440.1
 - mRNA
 - NM_201283.1
 - Variations

Basic Information | Sequence

Item	
LOCUS	N
SEQUENCE TYPE	G
DEFINITION	H
ACCESSION	N
VERSION	N
KEYWORDS	