



EGFR epidermal growth factor receptor [*Homo sapiens* (human)]

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Gene ID: 1956, updated on 5-Jul-2025

Summary

Official Symbol EGFR provided by [HGNC](#)

Official Full Name epidermal growth factor receptor provided by [HGNC](#)

Primary source [HGNC:HGNC:3236](#)

See related [Ensembl:ENSG00000146648](#) [MIM:131550](#); [AllianceGenome:HGNC:3236](#)

Gene type protein coding

RefSeq status REVIEWED

Organism [Homo sapiens](#)

Lineage Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo

Also known as ERBB; ERRP; HER1; mENA; ERBB1; NNCIS; PIG61; NISBD2

Summary The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor, thus inducing receptor dimerization and tyrosine autophosphorylation leading to cell proliferation. Mutations in this gene are associated with lung cancer. EGFR is a component of the cytokine storm which contributes to a severe form of Coronavirus Disease 2019 (COVID-19) resulting from infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). [provided by RefSeq, Jul 2020]

Annotation information Note: This gene has been reviewed for its involvement in coronavirus biology, and is involved in cytokine storm inflammatory response.

Expression Broad expression in placenta (RPKM 36.6), skin (RPKM 15.6) and 22 other tissues [See more](#)

Orthologs [mouse](#) [all](#)

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Try the new [Transcript table](#)

Genomic context

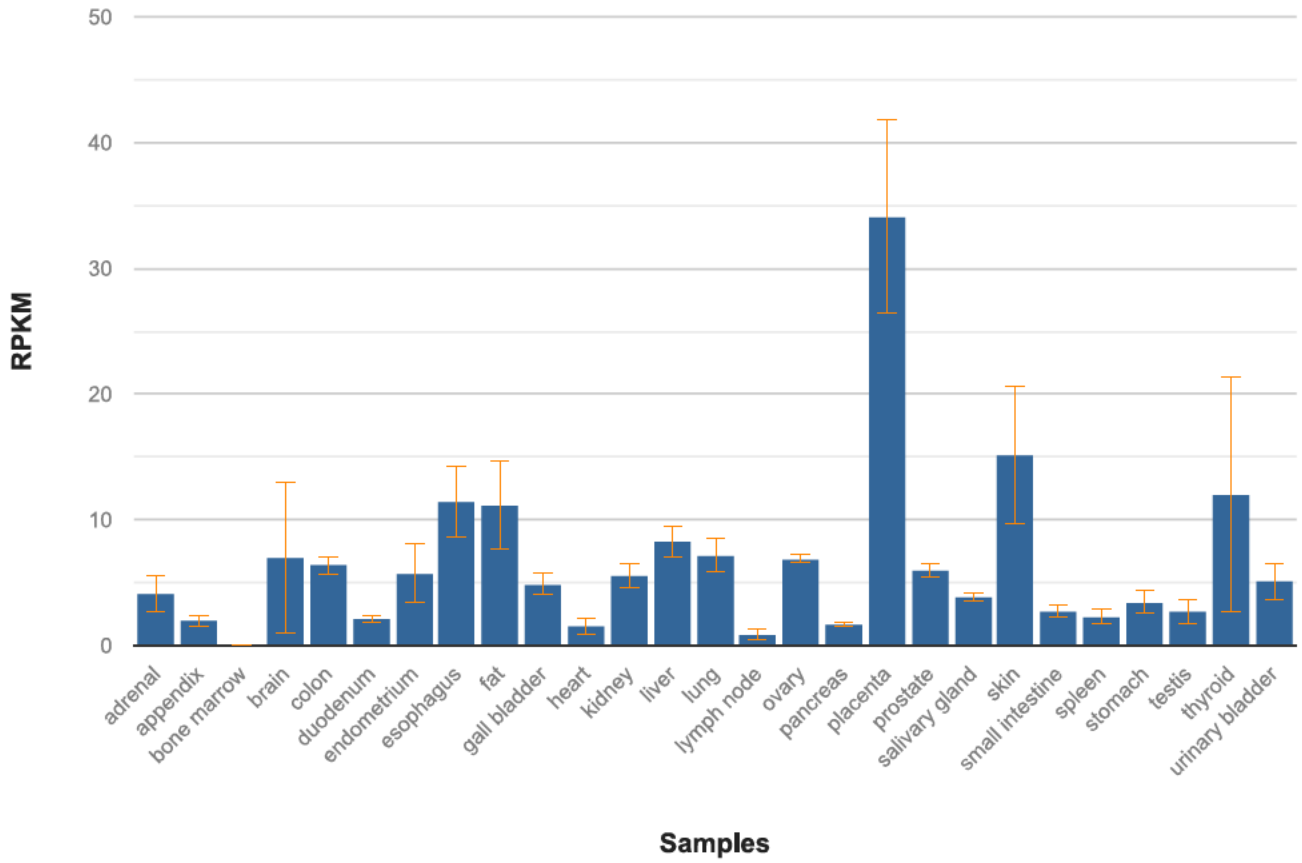
Genomic regions, transcripts, and products

Expression

[See details](#)

HPA RNA-seq normal tissues

- Project title: HPA RNA-seq normal tissues
- Description: RNA-seq was performed of tissue samples from 95 human individuals representing 27 different tissues in order to determine tissue-specificity of all protein-coding genes.
- BioProject: [PRJEB4337](#)
- Publication: [PMID 24309898](#)
- Analysis date: Thu Dec 19 08:39:43 2024



Bibliography

Phenotypes

Variation

HIV-1 interactions

Pathways from PubChem

Interactions

General gene information

General protein information

NCBI Reference Sequences (RefSeq)

Related sequences

Additional links
