

Recombinant Human EGFR Protein(25-378aa), C-DDK/His tagged

Cat. No. EGFR-012H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human Epidermal Growth Factor Receptor (EGFR) Protein extracellular domain transcript variant 3 (25-378aa), was expressed in human cells with C-terminal DDK/His tag (purified recombinant protein).
Species	Human
Source	HEK293
ProteinLength	25-378 aa
Description	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).
Molecular Mass	41 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may

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experience some loss of protein during the filtration process.

Stability

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage

Store at -80 centigrade.

Concentration

> 0.1 µg/µL as determined by microplate BCA method

Storage Buffer

PBS, pH 7.4, 10% glycerol

GENE INFORMATION

Gene Name

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

Official Symbol

EGFR

Synonyms

EGFR; epidermal growth factor receptor; ERBB; ERRP; HER1; mENA; ERBB1; PIG61; NISBD2; epidermal growth factor receptor; EGFR vIII; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; epidermal growth factor receptor tyrosine kinase domain; erb-b2 receptor tyrosine kinase 1; proto-oncogene c-ErbB-1; receptor tyrosine-protein kinase erbB-1; EC 2.7.10.1

Gene ID

1956

mRNA Refseq

NM_201283

Protein Refseq

NP_958440

MIM

131550

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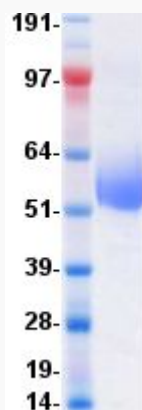
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UniProt ID

P00533

SDS-PAGE

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