

Recombinant Human EGFR protein, His & S-tagged

Cat. No. EGFR-7629H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein (P00533, 713-984aa), was produced in E. coli cells with N-terminal His tag and S tag.
Species	Human
Source	E.coli
ProteinLength	713-984 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. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.7.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [<i>Homo sapiens (human)</i>]
Official Symbol	EGFR
Synonyms	ERBB; HER1; mENA; ERBB1; PIG61; NISBD2; 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; epidermal growth factor receptor
Gene ID	1956
mRNA Refseq	NM_001346897.1
Protein Refseq	NP_001333826.1

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UniProt ID

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