

Recombinant Human Epidermal Growth Factor Receptor, His-tagged

Cat. No. EGFR-4753H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Epidermal Growth Factor Receptor Protein, was expressed in Chinese Hamster Ovary (CHO) cells.
Species	Human
Source	Human
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. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.
Purity	>95%
Predicted N terminal	LEEKKVCQGTS
Molecular Mass	Recombinant human EGFR contains 621 amino acid residues, combining 6His, The MW is about 95kDa.
Storage	six months in 4μ, 1 year in -20μ, Avoid repeated freezing and thawing.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens]
Official Symbol	EGFR
Synonyms	EC 2.7.10.1; ERBB; ERBB1; HER1; PIG61; mENA; Receptor tyrosine-protein kinase ErbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog); epidermal growth factor receptor (erythroblastic leukemia viral(v-erb-b) oncogene homolog, avian); EGFR
Gene ID	1956
mRNA Refseq	NM_005228.3
Protein Refseq	NP_005219.2
MIM	131550
UniProt ID	P00533
Chromosome Location	7p12
Pathway	Adherens junction; Calcium signaling pathway; Colorectal cancer; Cytokine-cytokine receptor interaction; Dorso-ventral axis formation; Endometrial cancer; Epithelial cell signaling in Helicobacter pylori infection; ErbB signaling pathway; Focal adhesion; Gap junction; Glioma; GnRH signaling pathway; MAPK signaling pathway; Melanoma; Non-small cell lung cancer; Pancreatic cancer; Prostate cancer;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Regulation of actin cytoskeleton

Function

ATP binding; actin filament binding; double-stranded DNA binding; epidermal growth factor receptor activity; identical protein binding

Available structures

