

# Recombinant Human Epidermal Growth Factor Receptor, His-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Epidermal Growth Factor Receptor Protein, was expressed in Chinese Hamster Ovary (CHO) cells.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	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.
<b>Purity</b>	>95%
<b>Predicted N terminal</b>	LEEKKVCQGTS
<b>Molecular Mass</b>	Recombinant human EGFR contains 621 amino acid residues, combining 6His, The MW is about 95kDa.
<b>Storage</b>	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](mailto: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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

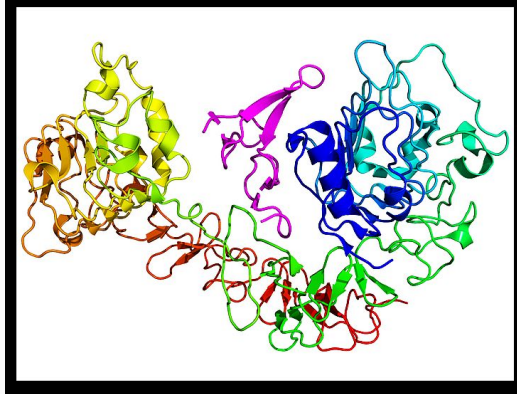
 45-1 Ramsey Road, Shirley, NY 11967, USA

Regulation of actin cytoskeleton

**Function**

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

**Available structures**



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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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