

Recombinant Human EGFR protein, His-Avi-tagged

Cat. No. EGFR-258H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR (HER1) Protein (25-645aa), was expressed in mammalian system with C-terminal His tag and Avi tag.
Species	Human
Source	HEK293
ProteinLength	25-645 aa
Description	The epidermal growth factor receptor is a transmembrane protein that is a receptor for members of the epidermal growth factor family of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR, HER2/neu, Her 3 and Her 4. Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 71.5 kDa. Due to glycosylation, the protein migrates to 85-110KDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.05EU per ug by the LAL method.
Purity	> 95% as determined by SDS-PAGE; > 95% as determined by HPLC

 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

Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	EGFR epidermal growth factor receptor [Homo sapiens]
Official Symbol	EGFR
Synonyms	ErbB; ErbB1; HER1; HER-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; EC 2. 7. 10; EC 2. 7. 10. 1; EGF R; EGFR; epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b)oncogene homolog); epidermal growth factor receptor; ERBB1PIG61;mENA; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1
Gene ID	1956
mRNA Refseq	NM_005228
Protein Refseq	NP_005219
MIM	131550
UniProt ID	P00533

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