

## Recombinant Human EGFR protein, His-Avi-tagged

Cat. No. EGFR-4533H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human EGFR Protein (P00533-1, 25-645aa), was expressed in human 293 cells (HEK293) with C-terminal His tag and C-terminal Avi tag.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	25-645 aa
<b>Tag</b>	C-His-Avi
<b>Form</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Human EGFR, His Tag captured on CM5 Chip via Anti-His Antibody can bind Human EGF, No Tag with an affinity constant of 0.18 nM as determined in SPR assay (Biacore T200).
<b>Molecular Mass</b>	The protein has a predicted MW of 71.5 kDa. Due to glycosylation, the protein migrates to 85-110 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

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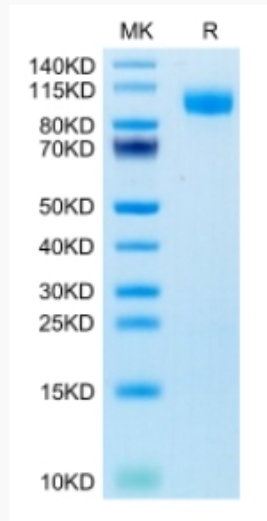
<b>Storage</b>	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	EGFR epidermal growth factor receptor [ Homo sapiens ]
<b>Official Symbol</b>	EGFR
<b>Synonyms</b>	EGFR; epidermal growth factor receptor; epidermal growth factor receptor (avian erythroblastic leukemia viral (v erb b) oncogene homolog) , ERBB; ERBB1; erythroblastic leukemia viral (v erb b) oncogene homolog (avian); proto-oncogene c-ErbB-1; cell growth inhibiting protein 40; cell proliferation-inducing protein 61; receptor tyrosine-protein kinase erbB-1; avian erythroblastic leukemia viral (v-erb-b) oncogene homolog; ERBB; HER1; mENA; PIG61;
<b>Gene ID</b>	1956
<b>mRNA Refseq</b>	NM_005228
<b>Protein Refseq</b>	NP_005219
<b>MIM</b>	131550
<b>UniProt ID</b>	P00533

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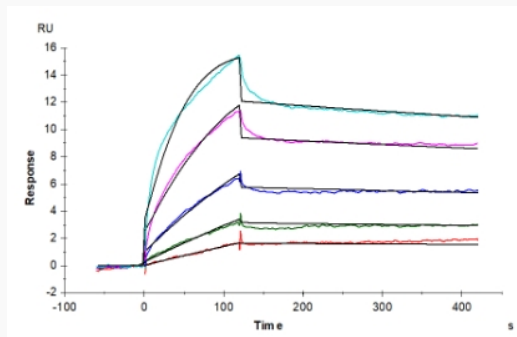
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**Tris-Bis PAGE**



**SPR Data**



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