

Recombinant Human EGFRviii protein, His-Avi-tagged

Cat. No. EGFR-688H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR VIII Protein (25-645aa, 30-297aa: Val Cys Gln...Cys Pro Arg → Gly mutation), was expressed in mammalian system with N-terminal 6-His tag and Avi tag.
Species	Human
Source	HEK293
ProteinLength	25-645 aa
Description	The epidermal growth factor receptor (EGFR) is overexpressed in a variety of human epithelial tumors, often as a consequence of gene amplification. Tumors with EGFR gene amplification frequently contain EGFR gene rearrangements, with the most common extracellular domain mutation being EGFRvIII. This mutation leads to a deletion of exons 2-7 of the EGFR gene and renders the mutant receptor incapable of binding any known ligand.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 41.6 kDa .As a result of glycosylation, the protein migrates as 65-80 kDa under reducing (R) condition (Bis-Tris PAGE).
Endotoxin	Less than 0.05 EU per ug by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

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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 EGFRvIII,EGFR

Gene ID 1956

mRNA Refseq NM_005228

Protein Refseq NP_005219

MIM 131550

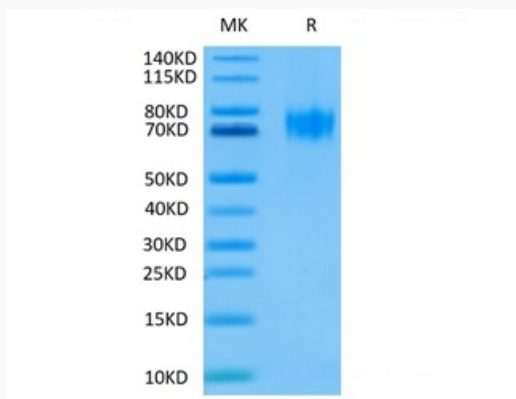
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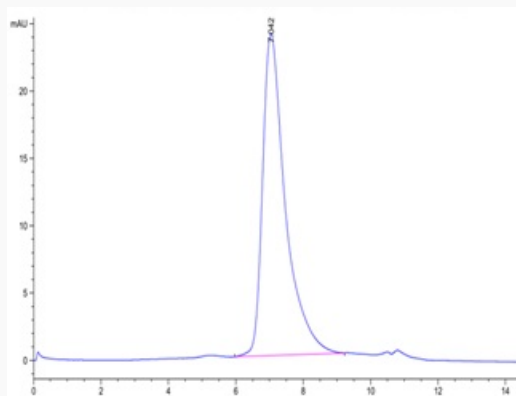
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Tris-Bis PAGE



HPLC data

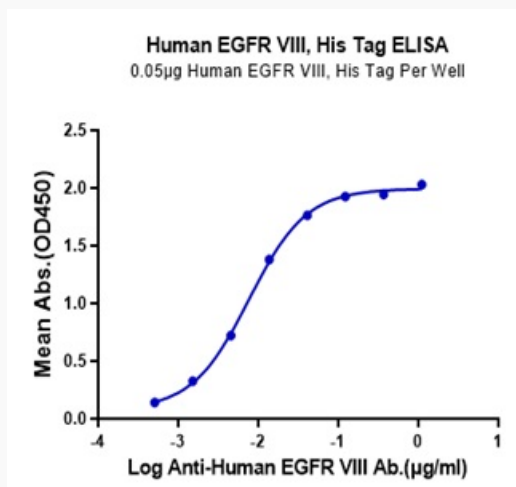


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ELISA data



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