

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

 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	EGFRvIII,EGFR
-----------------	---------------

Gene ID	1956
----------------	------

mRNA Refseq	NM_005228
--------------------	-----------

Protein Refseq	NP_005219
-----------------------	-----------

MIM	131550
------------	--------

UniProt ID	P00533
-------------------	--------

 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