

Active Recombinant Human EGFRvIII Protein (Leu 25 - Ser 645), His-tagged

Cat. No. EGFR-337H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFRvIII Protein (NP_005219.2, 25-645aa, 30-297aa: Val Cys Gln...Cys Pro Arg → Gly mutation), was expressed in human HEK293 cells with C-terminal His tag.
Species	Human
Source	HEK293
ProteinLength	25-645 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Cetuximab at 2 µg/mL (100 µL/well) can bind Recombinant Human EGFRvIII Protein, His-tagged with a linear range of 0.2-5 ng/mL (QC tested).
Molecular Mass	40.5 kDa
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.

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Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

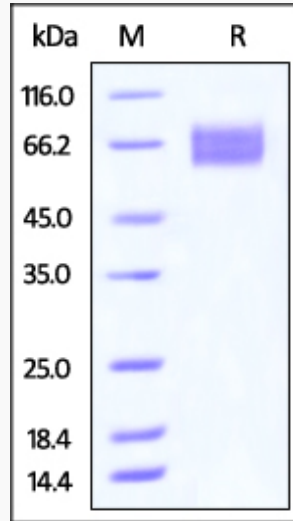
GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens]
Official Symbol	EGFR
Synonyms	EGFR; epidermal growth factor receptor; ERBB1; ERBB; HER1; mENA; PIG61;
Gene ID	1956
mRNA Refseq	NM_005228
Protein Refseq	NP_005219
MIM	131550
UniProt ID	P00533

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