

Active Recombinant Human EGFRvIII Protein, His & Avi-tagged, Biotinylated

Cat. No. EGFR-341H **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 293 cells (HEK293) with C-terminal Avi tag, His tag and biotinylated conjugate.
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 CetuxiMabat 2 µg/mL (100 µL/well) can bind Recombinant Human EGFRvIII Protein, His & Avi-tagged, Biotinylated with a linear range of 0.4-25 ng/mL (QC tested).
Molecular Mass	41.3 kDa
AA Sequence	LEEKKGNYVVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFK DSLSINATNIKHFKNCTSIGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLI QAWPENRTDLHAFENLEIIRGRTKQHGQFSLAVVSLNITSLGLRSLKEISDGDVVISGN KNLCYANTINWKKLFGTSGQKTKIISNRGENSCKATGQVCHALCSPEGCWGPEPRD CVSCRNVSRGRECVDKCNLLEGEPREFVENSECIQCHPECLPQAMNITCTGRGPD

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	NCIQCAHYIDGPHCVKTCPAGVMGENNTLVWKYADAGHVCHLCHPNCTYGCTGPG LEGCPTNGPKIPSGLNDIFEAQKIEWHEHHHHHH
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.
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.
Conjugation	Biotin

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

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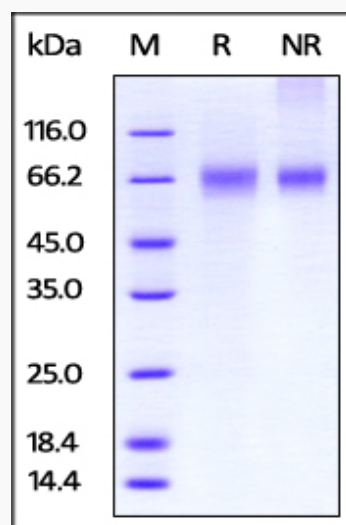
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mRNA Refseq [NM_005228](#)

Protein Refseq [NP_005219](#)

MIM [131550](#)

UniProt ID [P00533](#)



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