

# 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** LEEKKGNVYVTDHGSCVRACGADSYEMEEDGVRKCKKCEGPCRKVCNGIGIGEFK  
 DSLSINATNIKHFKNCTSISGDLHILPVAFRGDSFTHTPPLDPQELDILKTVKEITGFLLI  
 QAWPENRTDLHAFENLEIIRGRTKQHGQFSLAVVSLNITSLGLRSLKEISDGDVVISGN  
 KNLCYANTINWKKLFGTSGQKTKIISNRGENSCKATGQVCHALCSPEGCWGPEPRD  
 CVSCRNVSRGRECVDKCNLLEGEPREFVENSECIQCHPECLPQAMNITCTGRGPD

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NCIQCAHYIDGPHCVKTCPAGVMGENNTLVWKYADAGHVCHLCHPNCTYGCTGPG  
LEGCP TNGPKIP SGLNDIFEAQKIEWHEHHHHHHH

**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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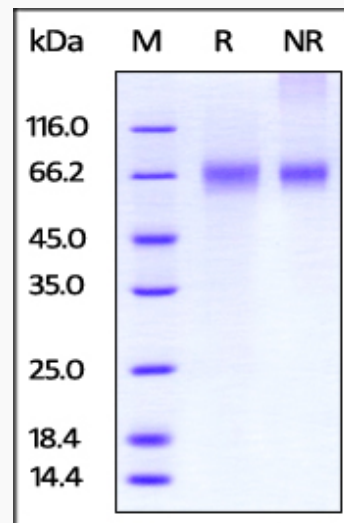
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mRNA Refseq [NM\\_005228](#)

Protein Refseq [NP\\_005219](#)

MIM [131550](#)

UniProt ID [P00533](#)



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