

EGFR vIII Protein, Human (HEK293, His)

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| Cat. No.: | HY-P70189 |
| Synonyms: | rHuEpidermal Growth Factor Receptor/EGFR vIII, His; Epidermal growth factor receptor; EGFR; Proto-oncogene c-ErbB-1; Receptor tyrosine-protein kinase erbB-1; EGFR |
| Species: | Human |
| Source: | HEK293 |
| Accession: | NP_001333870 (L25-S378) |
| Gene ID: | 1956 |
| Molecular Weight: | 61-75 kDa |

PROPERTIES

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| AA Sequence | <p> L E E K K G N Y V V T D H G S C V R A C G A D S Y E M E E D G V R K C K K C E G P C R K V C N G I G I G E F K D S L S I N A T N I K H F K N C T S I S G D L H I L P V A F R G D S F T H T P P L D P Q E L D I L K T V K E I T G F L L I Q A W P E N R T D L H A F E N L E I I R G R T K Q H G Q F S L A V V S L N I T S L G L R S L K E I S D G D V I I S G N K N L C Y A N T I N W K K L F G T S G Q K T K I I S N R G E N S C K A T G Q V C H A L C S P E G C W G P E P R D C V S C R N V S R G R E C V D K C N L L E G E P R E F V E N S E C I Q C H P E C L P Q A M N I T C T G R G P D N C I Q C A H Y I D G P H C V K T C P A G V M G E N N T L V W K Y A D A G H V C H L C H P N C T Y G C T G P G L E G C P T N G P K I P S </p> |
| Biological Activity | The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet. |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. |
| Endotoxin Level | <1 EU/µg, determined by LAL method. |
| Reconstitution | It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| Storage & Stability | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| Shipping | Room temperature in continental US; may vary elsewhere. |

DESCRIPTION

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| Background | The EGFRvIII protein is a transmembrane glycoprotein belonging to the protein kinase superfamily and serves as a receptor |
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for members of the epidermal growth factor family. Operating as a cell surface protein, EGFRvIII binds to epidermal growth factor, initiating receptor dimerization and tyrosine autophosphorylation, thereby promoting cell proliferation. Mutations in this gene are associated with lung cancer. Furthermore, EGFRvIII is implicated as a component of the cytokine storm, contributing to the severity of Coronavirus Disease 2019 (COVID-19) caused by infection with severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). [provided by RefSeq, Jul 2020]

Caution: Product has not been fully validated for medical applications. For research use only.

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