

PRODUCT INFORMATION

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| Target | EGFRVIII |
| Synonyms | EGFR;ERBB;ERBB1;HER1;PIG61;mENA |
| Description | Recombinant Human EGFRVIII Protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | P00533 |
| Expression Host | HEK293 |
| Tag | C-6×His Tag |
| Molecular Characterization | EGFRVIII(Leu25-Ser645 Δ 267aa) 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 39.5 kDa after removal of the signal peptide. The apparent molecular mass of EGFRVIII-His is approximately 55-100 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage & Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. |
| Usage | Research use only |





Figure 1. Human EGFRVIII Protein, His Tag on SDS-PAGE under reducing condition.

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