PRODUCT INFORMATION

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 △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
Conjugate	Unconjugated

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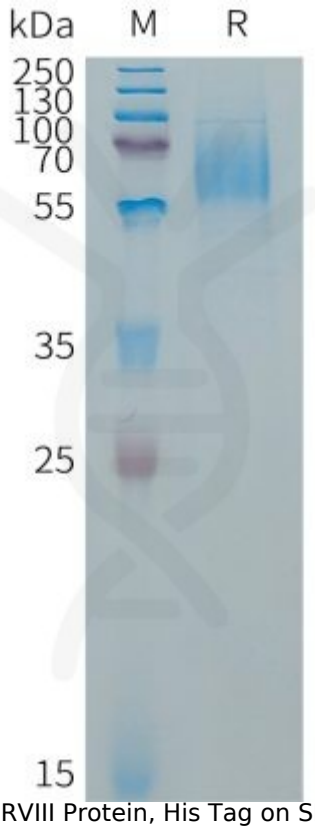

Figure 1.Human EGFRVIII Protein, His Tag on SDS-PAGE under reducing condition.

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