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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
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

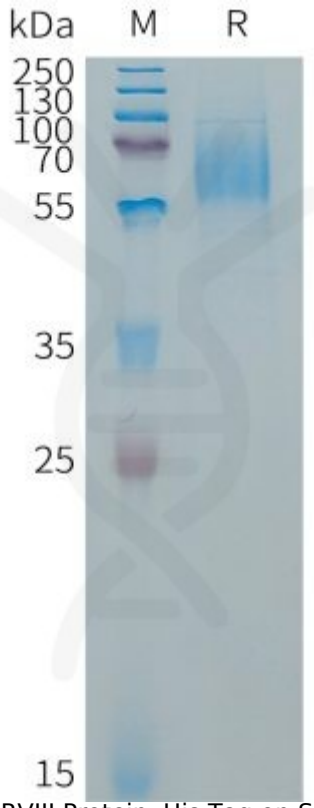

Figure 1.Human EGFRVIII Protein, His Tag on SDS-PAGE under reducing condition.