HUMAN EGFRVIII PROTEIN, HIS TAG

Cat.#: 11977

Product Name: Human EGFRVIII Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: EGFR;RBB;RBB1;ER1;IG61;ENA

Target: EGFRVIII

UNIPROT ID: P00533

Description: Recombinant Human EGFRVIII Protein with C-terminal 6xHis tag

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.

Species/Host: HEK293

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.

Molecular Characterization: EGFRVIII(Leu25-Ser645 ⊠267aa) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

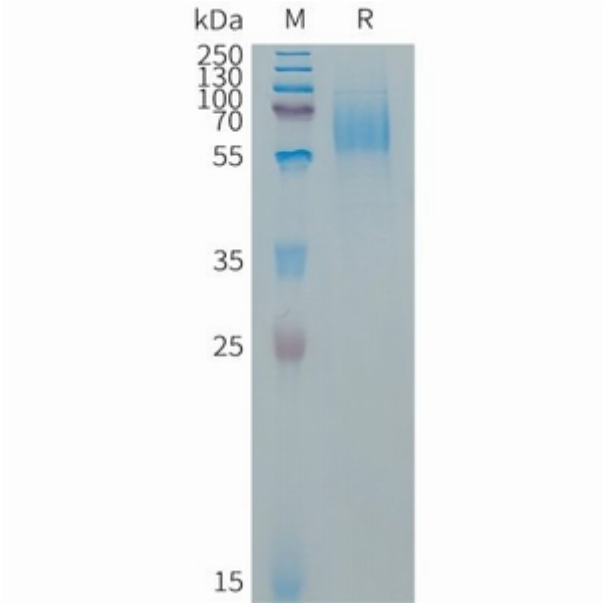

Figure 1.Human EGFRVIII Protein, His Tag on SDS-PAGE under reducing condition.