

**HUMAN EGFRVIII PROTEIN, HIS TAG**

目录: 11977

产品名称: Human EGFRVIII Protein

规格: 10 µg, 50 µg and 100 µg

基因符号: EGFR;RBB;RBB1;ER1;IG61;ENA

**Target:** EGFRVIII

**UNIPROT ID:** P00533

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

**背景:** 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

**纯化:** 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.

**储存和运输:** 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.



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