HUMAN FGFR3 PROTEIN, HIS TAG

Cat.#: 11813

Product Name: Human FGFR3 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: ACH;CD333;CEK2;HSFGFR3EX;JTK4

Target: FGFR3

UNIPROT ID: P22607

Description: Recombinant human FGFR3 protein with C-terminal 6xHis tag

Background: This gene encodes a member of the fibroblast growth factor receptor (FGFR) family, with its amino acid sequence being highly conserved between members and among divergent species. FGFR family members differ from one another in their ligand affinities and tissue distribution. A full-length representative protein would consist of an extracellular region, composed of three immunoglobulin-like domains, a single hydrophobic membrane-spanning segment and a cytoplasmic tyrosine kinase domain. The extracellular portion of the protein interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. This particular family member binds acidic and basic fibroblast growth hormone and plays a role in bone development and maintenance. Mutations in this gene lead to craniosynostosis and multiple types of skeletal dysplasia. [provided by RefSeq, Aug 2017]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 39.0 kDa after removal of the signal peptide. The apparent molecular mass of FGFR3-His is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: FGFR3(Glu23-Gly375) 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.

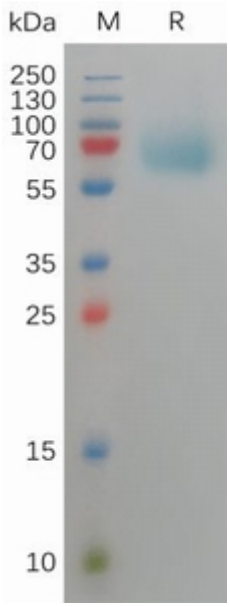

Figure 1. Human FGFR3 Protein, His Tag on SDS-PAGE under reducing condition.