HUMAN FGFR4 PROTEIN, HIS TAG

Cat.#: 11389

Product Name: Human FGFR4 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: CD334;JTK2;TKF

Target: FGFR4

UNIPROT ID: P22455

Description: Recombinant Human FGFR4 Protein with C-terminal 6xHis tag

Background: The protein encoded by this gene is a tyrosine kinase and cell surface receptor for fibroblast growth factors. The encoded protein is involved in the regulation of several pathways, including cell proliferation, cell differentiation, cell migration, lipid metabolism, bile acid biosynthesis, vitamin D metabolism, glucose uptake, and phosphate homeostasis. This protein consists 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 interacts with fibroblast growth factors, setting in motion a cascade of downstream signals, ultimately influencing mitogenesis and differentiation. [provided by RefSeq, Aug 2017]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 39.3 kDa after removal of the signal peptide.The apparent molecular mass of FGFR4-His is approximately 35-70 kDa due to glycosylation.

Molecular Characterization: FGFR4(Leu22-Asp369) 6×His Tag

Purity: The purity of the protein is greater than 90% 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.

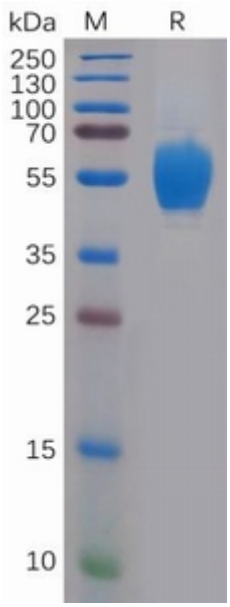

Figure 1. Human FGFR4 Protein, His Tag on SDS-PAGE under reducing condition.