HUMAN FGF19 PROTEIN, HIS TAG

Cat.#: 11942

Product Name: Human FGF19 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: FGF-19;UNQ334/PRO533

Target: FGF19

UNIPROT ID: O95750

Description: Recombinant Human FGF19 Protein with C-terminal 6xHis tag

Background: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes including embryonic development cell growth, morphogenesis, tissue repair, tumor growth and invasion. This growth factor is a high affinity, heparin dependent ligand for FGFR4. Expression of this gene was detected only in fetal but not adult brain tissue. Synergistic interaction of the chick homolog and Wnt-8c has been shown to be required for initiation of inner ear development. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 22.3 kDa after removal of the signal peptide. The apparent molecular mass of FGF19-His is approximately 15-25 kDa due to glycosylation.

Molecular Characterization: FGF19(Leu25-Lys216) 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.

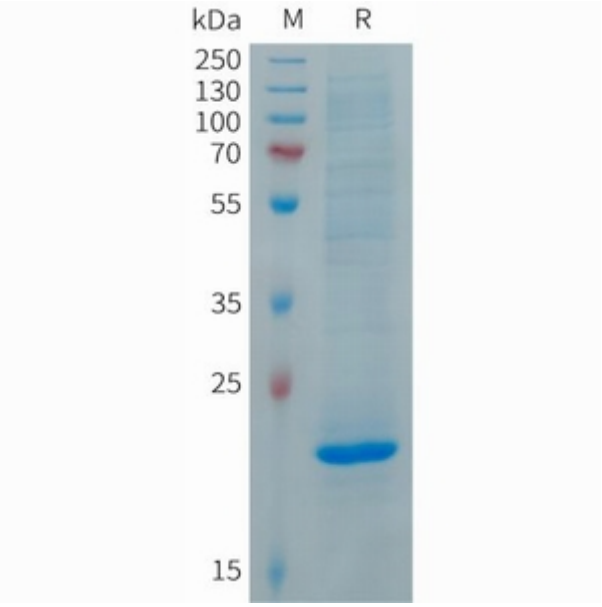

Figure 1.Human FGF19 Protein, His Tag on SDS-PAGE under reducing condition.