

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) 6xHis 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.

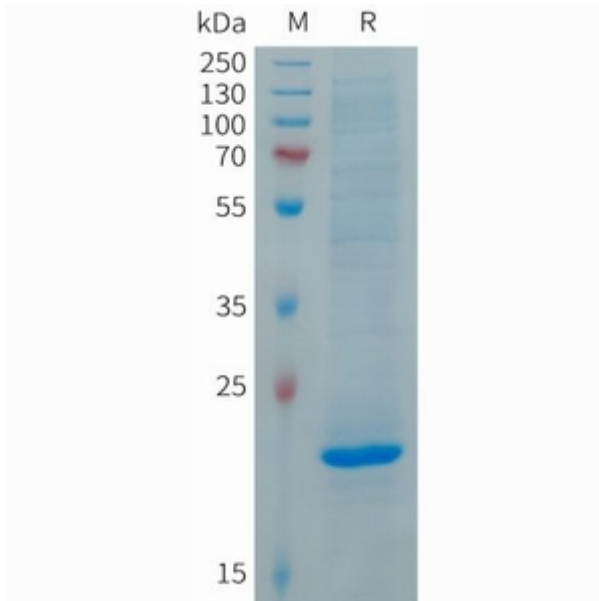


Figure 1. Human FGF19 Protein, His Tag on SDS-PAGE under reducing condition.