

## HUMAN FGF-12 PROTEIN

**Cat.#:** 12067

**Product Name:** Human FGF-12 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** Fibroblast Growth Factor 12;FGF-12;Fibroblast Growth Factor Homologous Factor 1;FHF-1;Myocyte-Activating Factor;FGF12;FGF12B;FHF1

**Target:** FGF-12

**UNIPROT ID:** P61328-2

**Description:** Recombinant Human Fibroblast Growth Factor 12 is produced by our E.coli expression system and the target gene encoding Met1-Thr181 is expressed.

**Background:** Fibroblast Growth Factor 12 (FGF-12) is a member of the fibroblast growth factor (FGF) family. FGF-12 is probably involved in nervous system development and function. FGF-12 lacks the N-terminal signal sequence present in most of the FGF family members, but it contains clusters of basic residues that have been demonstrated to act as a nuclear localization signal. When transfected into mammalian cells, this protein accumulated in the nucleus, but was not secreted. The specific function of this gene has not yet been determined. Two alternatively spliced transcript variants encoding distinct isoforms have been reported.

**Species/Host:** E.coli

**Molecular Weight:** 20.45 KDa

**Molecular Characterization:** Not available

**Purity:** Greater than 95% as determined by reducing SDS-PAGE.

**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.

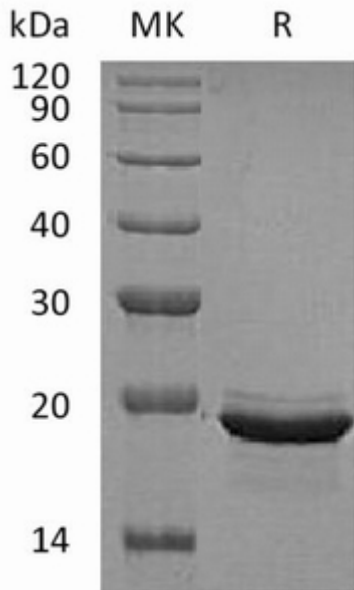


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.