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Recombinant Human FGF-12

Description: FGF-12 is part of the Fibroblast Growth Factor (FGF) family which has a vast mitogenic and cell survival functions, and play a role in a range of biological activities, among them are embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF-12 doesn't obtain the N-terminal signal sequence present in the majority of the FGF family members, but it contains clusters of basic residues that act as a nuclear localization signal. When transfected into mammalian cells, FGF-12 accumulated in the nucleus, but was not secreted. FGF-12 is involved in nervous system development and function. FGF-12 binds to IB2 (islet brain-2), a cellular kinase scaffold, and voltage gated sodium channels and is also involved in intracellular signaling and ion exchange.

FGF-12 is a single, non-glycosylated polypeptide chain produced in E. coli, having a molecular weight of 22.6kDa and containing 201 amino acids (1-181). The FGF12 is fused to a 20 amino acid His tag at the N-terminus.

Source:	E. coli
Molecular Weight:	22.6 kDa
Purity:	> 90% by SDS-PAGE
Endotoxin level:	< 0.1 ng per µg of FGF-12
Buffer:	20mM Tris-Cl (pH 7.5), 1 mM DTT, 2mM EDTA, 10% Glycerol
Formulation:	liquid

Biological Activity: No data available at the moment.

Stability: Store FGF-12 at -20°C. It can also be stored at 4°C for a limited period of time of 7 days.

Usage: Human FGF-12 is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 100-391

Size: 10 µg

**** Please note: always centrifuge product before opening vial! ****