

Active Recombinant Human FGF12 Protein (Met1-Thr181), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF12-105H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF12 Protein (Met1-Thr181) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Met1-Thr181
Description	Fibroblast Growth Factors-12 (FGF-12) is a 20.4 kDa member of the fibroblast Growth Factors with 181 amino acid residues. FGF-12 is mainly expressed from inhibitory neurons, oligodendrocyte precursor cells, excitatory neurons, cardiomyocytes. Involved in nervous system development, function, and positive regulation of voltage-gated sodium channel activity. FGF-12 function in the development of the central and peripheral nervous systems, connective tissue of the skeleton, and the myocardia of the heart.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 2 ng/mL.
Molecular Mass	The protein has a calculated MW of 21.23 kDa. The protein migrates as 21 kDa under reducing condition (SDS-PAGE analysis).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	FGF12 fibroblast growth factor 12 [Homo sapiens (human)]
Official Symbol	FGF12
Synonyms	FGF12; fibroblast growth factor 12; FGF12B; FHF1; fibroblast growth factor 12B; fibroblast growth factor FGF 12b; fibroblast growth factor homologous factor 1; myocyte activating factor; FHF-1; FGF-12; myocyte-activating factor; fibroblast growth factor FGF-12b;
Gene ID	2257

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mRNA Refseq	NM_004113
Protein Refseq	NP_004104
MIM	601513
UniProt ID	P61328

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