

Active Recombinant Human FGF11 Protein (Met1-Pro225), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF11-103H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF11 Protein (Met1-Pro225) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Met1-Pro225
Description	The Fibroblast Growth Factors (FGF) family has two group, secreted FGFs and intracellular FGFs (iFGFs). iFGFs are related to voltage-gated sodium (Nav) channels. Human FGF-11 isoform 1 is a 25 kDa cytokine with 225 amino acid residues.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 0.2 ng/mL.
Molecular Mass	The protein has a calculated MW of 25.81 kDa. The protein migrates as 30 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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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	FGF11 fibroblast growth factor 11 [Homo sapiens (human)]
Official Symbol	FGF11
Synonyms	FGF11; fibroblast growth factor 11; FHF3; fibroblast growth factor homologous factor 3; FLJ16061; MGC45269; MGC102953; FHF-3; FGF-11;
Gene ID	2256
mRNA Refseq	NM_004112
Protein Refseq	NP_004103

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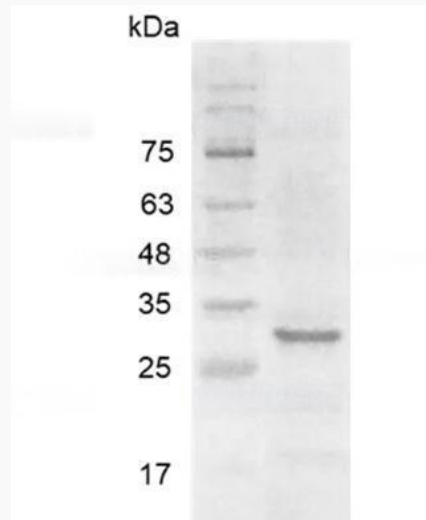
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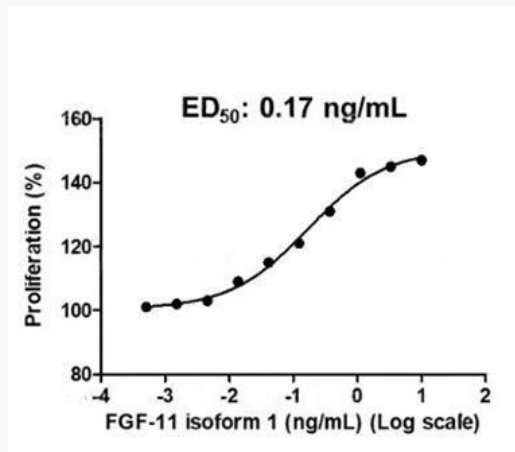
MIM 601514

UniProt ID Q92914

**SDS-PAGE analysis
of recombinant
human FGF-11
isoform 1.**



Activity



Human FGF-11 isoform 1, His Tag, E. coli (LDG137PHE) induced 3T3 cell proliferation, with the ED₅₀ at 0.17 ng/mL.

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