

Active Recombinant Human FGF14 Protein (Ala2-Thr246), N-His tagged, Animal-free, Carrier-free

Cat. No. FGF14-107H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF14 Protein (Ala2-Thr246) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala2-Thr246
Description	Fibroblast Growth Factors-14 (FGF-14) is a 27.7 kDa member of the fibroblast Growth Factors with 247 amino acid residues. FGF-14 is mainly expressed from brain, cervix. FGF-14 involved in nervous system development and function. May regulate voltage-gated sodium channels transport and function.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 21 ng/mL.
Molecular Mass	The protein has a calculated MW of 28.28 kDa. The protein migrates as 33 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

 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

Purity	>95% 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 H2O 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	FGF14 fibroblast growth factor 14 [Homo sapiens (human)]
Official Symbol	FGF14
Synonyms	FGF14; fibroblast growth factor 14; FHF4; SCA27; bA397O8.2; fibroblast growth factor homologous factor 4; FHF-4; FGF-14; MGC119129;
Gene ID	2259
mRNA Refseq	NM_004115
Protein Refseq	NP_004106

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

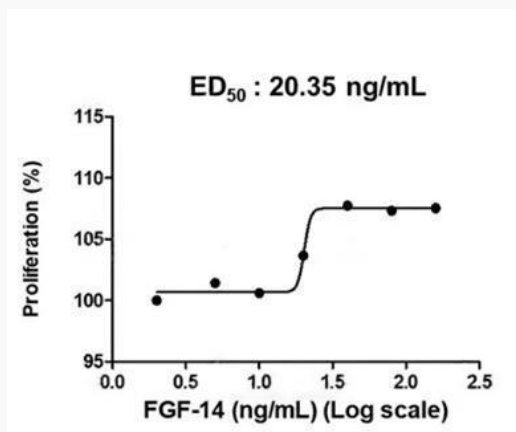
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

MIM 601515

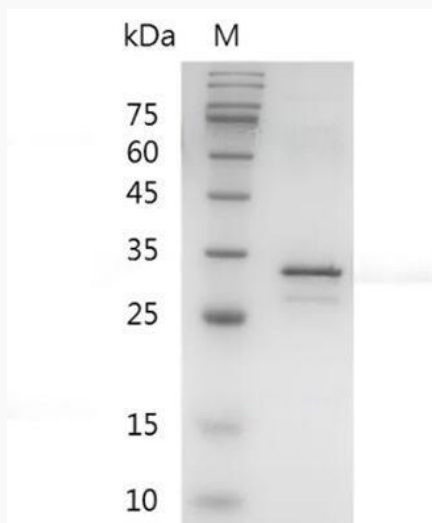
UniProt ID Q92915

Activity



Human FGF-14, His Tag, E. coli (LDG079PHE) induced 3T3 cell proliferation, with the ED₅₀ at 20.35 ng/mL.

**SDS-PAGE analysis
of recombinant
human FGF-14.**



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