

Active Recombinant Human FGF18 Protein

Cat. No. FGF18-031H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF18 Protein(O76093)(27-207 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	27-207 aa
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20mMPB pH7.2, with NaCL and Trehalose as protectant.
Bio-activity	Fully biologically active when compared to standard. Determined by a cell proliferation assay using Balb/c 3T3 cells. The expected ED50 is ≤ 10ng/ml in the presence of 1µg/ml heparin, corresponding to a specific activity of ≥ 1 × 10 ⁵ units/mg.
Molecular Mass	Approximately 21.0kDa, a single non-glycosylated polypeptide chain containing 181 amino acids.
AASequence	AEENVDFRIHVENQTRARDDVSRKQLRLYQLYSRTSGKHIQVLGRRISARGEDGDK YAQLLVETDTFGSQVRIKGGKETEFYLCMNRKGKLVGKPDGTSKECVFIEKVLENNYT ALMSAKYSGWYVGFTKKGRPRKGPKTRENQQDVHFMKRYPKGQPELQKPFKYTT VTKRSRRIRPTHPA
Endotoxin	<0.01EU/µg rHuFGF-18 protein as determined by 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	>96% by SDS-PAGE or HPLC.
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	FGF18 fibroblast growth factor 18 [Homo sapiens]
Official Symbol	FGF18
Synonyms	FGF18; fibroblast growth factor 18; FGF 18; ZFGF5; FGF-18;
Gene ID	8817
mRNA Refseq	NM_003862
Protein Refseq	NP_003853
MIM	603726
UniProt ID	O76093

 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