

Active Recombinant Rat Fgf10 protein

Cat. No. Fgf10-587R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgf10 protein(P70492)(37-215 aa) was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	37-215 aa
Form	Lyophilized from a 0.2 μ filtered concentrated solution in 20 mM Tris, 500 mM NaCl, pH 8.0, 3 % trehalose, 0.02% Tween-80.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using monkey 4MBr-5 cells is less than 120 ng/ml, corresponding to a specific activity of $> 8.3 \times 10^3$ IU/mg.
Molecular Mass	Approximately 20.0 kDa, a single non-glycosylated polypeptide chain containing 179 amino acids.
AASequence	QALGQDMVSP EATNSSSSSS SSSSSSFSS PSSAGRHVRS YNHLQGDVRW RKLFSFTKYF LKIEKNGKVS GTKKENCPYS ILEITSVEIG VVAVKAINSN YYLAMNKKGK LYGSKEFNND CKLKERIEEN GYNTYASFNW QHNGRQMYVA LNGKGAPRRG QKTRRKNTSA HFLPMVVHS
Endotoxin	Less than 1 EU/g of rRtKGF-2/FGF-10 as determined by LAL method.

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Purity	≥95% by SDS-PAGE analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
GENE INFORMATION	
Gene Name	Fgf10 fibroblast growth factor 10 [Rattus norvegicus]
Official Symbol	Fgf10
Synonyms	FGF10; fibroblast growth factor 10; FGF-10;
Gene ID	25443
mRNA Refseq	NM_012951
Protein Refseq	NP_037083
SDS-PAGE	