


Mouse FGF-7 protein

Cat #: PRP1128

Size: 20µg/100µg/500µg

Product Information

	Product Name: Mouse FGF-7 protein		
REF	Catalog Number: PRP1128	LOT	Lot Number: Refer to product label
	Purity: > 98 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: Fibroblast growth factor 7 (FGF-7) is a member of the fibroblast growth factor (FGF) family of proteins. FGF-7 plays an important role in regulating the proliferation, migration, and differentiation of cells. FGF-7 is of stromal origin and produces a paracrine effect on epithelial cells. FGF-7 is a mesenchyme-specific heparin-binding growth factor that binds FGF receptor 2 (FGFR2) to regulate numerous cellular and physiological processes. FGF-7/FGFR2 promotes invasion and migration in human gastric cancer. FGF-7 is specifically utilized as a paracrine factor during the process of differentiation of the epidermal layers in the regenerating scales and in particular for beta-cells differentiation. FGF-7 over expression is associated with advanced clinical features in patients with upper tract and bladder urothelial carcinoma, justifying its potential prognostic value for urothelial carcinoma.

Sequence: Amino acid sequence derived from Mouse FGF-7 (NP_032034.1) (Cys32-Thr194) was expressed.

Protein length: The recombinant Mouse FGF-7 consists of 163 amino acids and predicts a molecular mass of 18 kDa.

Biological Activity: Testing in progress.

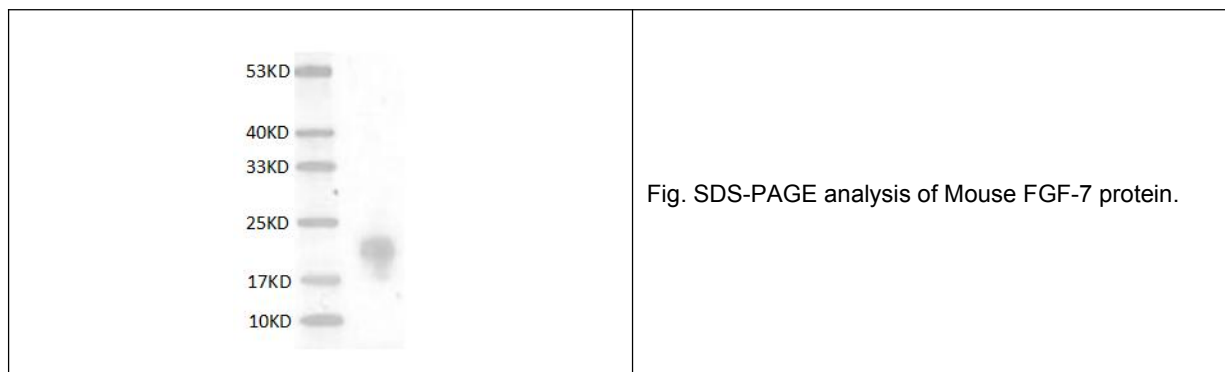
Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM PB with 150 mM NaCl, pH 7.4.

Storage Instructions: Lyophilized recombinant Mouse FGF-7 protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized recombinant Mouse

FGF-7 protein using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.