Bioactive

FGF7 (Human) Recombinant Protein

Catalog # P7386 Size 5 ug

Specification	
Product Description	Human FGF7 (P21781, 32 a.a 194 a.a.) partial recombinant protein expressed in CHO cells.
Sequence	CNDMTPEQMATNVNCSSPERHTRSYDYMEGGDIRVRRLFCRTQWYLRIDKRGKVKGTQEMKNNY NIMEIRTVAVGIVAIKGVESEFYLAMNKEGKLYAKKECNEDCNFKELILENHYNTYASAKWTHNGGE MFVALNQKGIPVRGKKTKKEQKTAHFLPMAIT
Host	Mammals
Theoretical MW (kDa)	16~18
Form	Lyophilized
Preparation Method	_x005F_x000Dx000D_ Mammalian cell (CHO) expression system_x005F_x000Dx000D_
Purity	> 95% as analyzed by SDS-PAGE.> 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED ₅₀ < 1.0 ng/mL, measured in a proliferation assay using 4MBr5 cells.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH2O up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

Functional Study

• SDS-PAGE

Gono	Info —	EGE7
Gene		FGF/

Entrez GenelD	2252	
Protein Accession#	<u>P21781</u>	
Gene Name	FGF7	
Gene Alias	HBGF-7, KGF	
Gene Description	fibroblast growth factor 7 (keratinocyte growth factor)	
Omim ID	<u>148180</u>	
Gene Ontology	Hyperlink	
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF f amily members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue re pair, tumor growth and invasion. This protein is a potent epithelial cell-specific growth factor, whos e mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endotheli al cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis. [provided by RefSeq	
Other Designations	fibroblast growth factor 7 heparin-binding growth factor 7 keratinocyte growth factor	

Pathway

- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

Disease

- <u>Cleft Lip</u>
- <u>Cleft Palate</u>