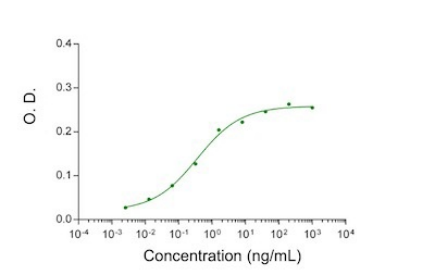
Bioactive

FGF7 (Human) Recombinant Protein

Catalog # P7334 Size 10 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human FGF7 (P21781, 32 a.a. - 194 a.a) partial recombinant protein expressed in *Escherichia coli* .
Sequence	MCNDMTPEQMATNVNCSSPERHTRSYDYMEGGDIRVRRLFCRTQWYLRIDKRGKVKGTQEMKN NYNIMEIRTVAVGIVAIKGVESEFYLAMNKEGKLYAKKECNEDCNFKELILENHYNTYASAKWTHNG GEMFVALNQKGIPVRGKKTKKEQKTAHFLPMAIT
Host	Escherichia coli
Theoretical MW (kDa)	19
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED_{50} < 2.0 ng/mL, measured by a cell proliferation assay using 4MBr-5 cells, corresponding to a specific activity of > 5.0×10^5 units/mg.

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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 ddH_2O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — FGF7

Entrez GeneID	2252
Protein Accession#	P21781
Gene Name	FGF7
Gene Alias	HBGF-7, KGF
Gene Description	fibroblast growth factor 7 (keratinocyte growth factor)
Omim ID	148180
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein is a potent epithelial cell-specific growth factor, whose mitogenic activity is predominantly exhibited in keratinocytes but not in fibroblasts and endothelial cells. Studies of mouse and rat homologs of this gene implicated roles in morphogenesis of epithelium, reepithelialization of wounds, hair development and early lung organogenesis. [provided by RefSeq
Other Designations	fibroblast growth factor 7|heparin-binding growth factor 7|keratinocyte growth factor

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Pathway

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

Disease

- Cleft Lip
- Cleft Palate

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