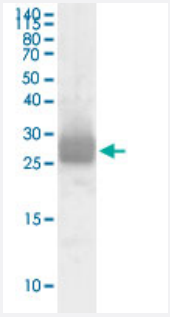
Bioactive | Full-Length | Sm Size

FGF7 (Human) Recombinant Protein

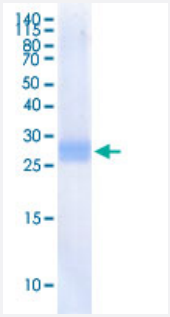
Catalog # P5880 Size 100 ug, 50 ug, 10 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of FGF7 (Human) Recombinant Protein (Cat # P5880) using protein specific antibody.



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human FGF7 (180 a.a.) full-lenth recombinant protein with His tag expressed in Barley grain (Hordeum vulgare). This protein is endotoxins-free and thus optimal to use in stem cell cultures.

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Host	Plants
Theoretical MW (kDa)	14
Reactivity	Human
Form	Lyophilized
Preparation Method	*Hordeum vulgare (barley)* expression system
Purification	Chromatography
Purity	> 95% by SDS-PAGE
Endotoxin Level	Endotoxin level is less than 0.005ng per ug (0.05EU/ug) as measured by turbidimetric kineticassay.
Activity	Activity has been measured by cell-based proliferation assay using 4MBr5 rhesus monkey epithelial cells. ED_{50} is typically below 4 ng/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Storage Buffer	Lyophilized from PBS, pH 7.2
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- Western Blot (Recombinant protein)

  Western blot analysis of FGF7 (Human) Recombinant Protein (Cat # P5880) using protein specific antibody.
- SDS-PAGE

Gene Info — FGF7

Entrez GeneID	2252
Gene Name	FGF7
Gene Alias	HBGF-7, KGF

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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

Pathway

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

Disease

- Cleft Lip
- Cleft Palate

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