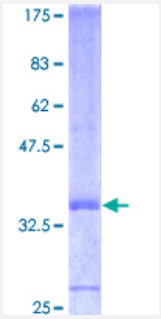
Full-Length

FGF7 (Human) Recombinant Protein (P01)

Catalog # H00002252-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FGF7 full-length ORF (AAH10956, 1 a.a. - 97 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MHKWILTWILPTLLYRSCFHIICLVGTISLACNDMTPEQMATNVNCSSPERHTRSYDYMEGEDIRVR RLFCRTQWYLRIDKRGKVKGTQEMKNNHSK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Interspecies Antigen Sequence	Mouse (89); Rat (85)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FGF7

Entrez GeneID	2252
GeneBank Accession#	BC010956
Protein Accession#	AAH10956
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

Pathway

- MAPK signaling pathway

- Melanoma
- Pathways in cancer
- Regulation of actin cytoskeleton

Disease

- Cleft Lip
- Cleft Palate