Bioactive Full-Length

FGF10 (Human) Recombinant Protein

Catalog # P3607 Size 25 ug

Specification

Product Description	Human FGF10 (O15520, 1 a.a. - 208 a.a.) full-length recombinant protein. expressed in *Escherichia coli*.
Sequence	MWKWILTHCASAFPHLPGCCCCCFLLLFLVSSVPVTCQALGQDMVSPEATNSSSSSFSSPSSA GRHVRSYNHLQGDVRWRKLFSFTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSNY YLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRR KNTSAHFLPMVVHS
Host	Escherichia coli
Theoretical MW (kDa)	19
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED_{50} was determined by the dose-dependent proliferation of BaF3 cells expressing FGF recept ors, and was found to be <0.5 ng/mL., corresponding to a specific activity of 2.0 x 10^6 units/mg.
Storage Buffer	Lyophilized from PBS, pH 7.0
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

- SDS-PAGE

Gene Info — FGF10

Entrez GeneID	2255
Protein Accession#	O15520
Gene Name	FGF10
Gene Alias	-
Gene Description	fibroblast growth factor 10
Omim ID	149730 180920 602115
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 exhibits mitogenic activity for keratinizing epidermal cells, but essentially no activity for fibroblasts, which is similar to the biological activity of FGF7. Studies of the mouse homolog of suggested that this gene is required for embryonic epidermal morphogenesis including brain development, lung morphogenesis, and initiation of lim bud formation. This gene is also implicated to be a primary factor in the process of wound healing. [provided by RefSeq
Other Designations	keratinocyte growth factor 2|produced by fibroblasts of urinary bladder lamina propria

Pathway

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

Disease

- Abnormalities

- Attention Deficit Disorder with Hyperactivity
- Cleft Lip
- Cleft Palate
- Genetic Predisposition to Disease
- Hyperparathyroidism
- Hypospadias
- Tourette Syndrome