

Bioactive

FGF10 (Human) Recombinant Protein

Catalog # P6220

Size 100 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human FGF10 (O15520) recombinant protein expressed in <i>E. Coli</i> .
Sequence	MLGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSTKYFLKIEKNGKVSGTK KENCPSILEITSVEIGVVAVKAINSNYYLAMNKKGKLYGSKEFNNDCKLKERIEENGYN TYASFNW QHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS
Host	Escherichia coli
Theoretical MW (kDa)	19.3
Form	Lyophilized
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Activity	ED ₅₀ <= 200 ng/mL 4MBr-5 cell proliferation The values provided above are minimum expected values to pass internal requirements.
Quality Control Testing	Reducing and Non-Reducing SDS PAGE
Conformation	Monomer

Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate , pH 7.5.
Storage Instruction	Stored at -20°C to -80°C for 12 month. After reconstitution with sterile water at 0.1 mg/mL, store at -20°C to -80°C for 3 months, store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Western Blot
- Functional Study

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 limb 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](#)