

Bioactive

FGF8 (Human/Mouse) Recombinant Protein

Catalog # P6318

Size 100 ug

Applications

Result of activity analysis

Result of activity analysis

□

Specification

Product Description	Human/Mouse FGF8 (P55075/P37237) recombinant protein expressed in <i>E.Coli</i> .
Sequence	MQVTVQSSPNFTQHVRQSLVTDQLSRRLIRTYQLYSRTSGKHVQVLANKRINAMAEDGDPFAKLI VETDTFGSRVRVRGAETGLYICMNKKGKLIAKSNGKGKDCVFTEIVLENNYTALQNAKEYGWYMA FTRKGRPRKGSKTRQHQREVHFMKRLPRGHHTTEQSLRFEFLNYPFTRSLRGSQRTWAPEPR
Host	Escherichia coli
Theoretical MW (kDa)	22.5
Form	Lyophilized
Preparation Method	This product is produced with no animal or human origin raw products. All processing and handling employs animal free equipment and animal free protocols.
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Activity	ED ₅₀ <= 150 ng/mL 3T3 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 0.1% Trifluoroacetic Acid (TFA).
Storage Instruction	<p>Stored at -20°C to -80°C for 12 month.</p> <p>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.</p> <p>Aliquot to avoid repeated freezing and thawing.</p> <p>If a precipitate is observed, centrifuge the solution thoroughly and use only the soluble fraction (removing it from the precipitate). A 10% overfill has been added to compensate for any loss of protein in the precipitate.</p>
Note	<p>Result of activity analysis</p> <p>Result of activity analysis</p>

Applications

- Western Blot
- Functional Study

Gene Info — FGF8

Entrez GeneID	2253
Protein Accession#	P55075;P37237
Gene Name	FGF8
Gene Alias	AIGF, HBGF-8, MGC149376
Gene Description	fibroblast growth factor 8 (androgen-induced)
Omim ID	600483
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 known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants. [provided by RefSeq]

Other Designations

OTTHUMP00000020348|OTTHUMP00000020349|OTTHUMP00000020350|OTTHUMP00000020351|androgen-induced growth factor|fibroblast growth factor 8

Gene Info — Fgf8

Entrez GeneID

[14179](#)

Protein Accession#

[P55075;P37237](#)

Gene Name

Fgf8

Gene Alias

Aigf, Fgf-8, MGC59627

Gene Description

fibroblast growth factor 8

Gene Ontology

[Hyperlink](#)

Other Designations

OTTMUSP00000024240

Pathway

- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Cleft Lip](#)

- [Cleft Palate](#)
- [Hypospadias](#)