

Bioactive

FGF9 (Human) Recombinant Protein

Catalog # P6243 Size 100 ug

Applications

Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human FGF9 (P31371) recombinant protein expressed in <i>E.Coli</i> .
Sequence	MPLGEVGNFYGVQDAVPFGNVPVLPVDSVLLSDHLGQSEAGGLPRGPAVTDL DHLKGILRRRQ LYCRTGFHLEIFPNGTIQGTRKDH SRFGILEFISIAVGLVSIRGVDSGLYLG MNEKGELYGSEKLTQE CVFREQFEENWYNTYSSNLYKHVD TGRRYYVALNKDGTREGTRTKRHQKFTHFLPRPVD PDKV PELYKDILSQS
Host	Escherichia coli
Theoretical MW (kDa)	23.4
Form	Lyophilized
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL) (50% confidence)
Activity	ED ₅₀ <= 2 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 10 mM sodium phosphate , 25 mM NaCl, 50 mM sodium sulfate, 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 — FGF9

Entrez GeneID	2254
Protein Accession#	P31371
Gene Name	FGF9
Gene Alias	GAF, HBFG-9, MGC119914, MGC119915
Gene Description	fibroblast growth factor 9 (glia-activating factor)
Omim ID	600921
Gene Ontology	Hyperlink
Gene Summary	<p>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 was isolated as a secreted factor that exhibits a growth-stimulating effect on cultured glial cells. In nervous system, this protein is produced mainly by neurons and may be important for glial cell development. Expression of the mouse homolog of this gene was found to be dependent on Sonic hedgehog (Shh) signaling. Mice lacking the homolog gene displayed a male-to-female sex reversal phenotype, which suggested a role in testicular embryogenesis. [provided by RefSeq]</p>
Other Designations	OTTHUMP00000018804 fibroblast growth factor 9 glia-activating factor

Pathway

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

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hyperparathyroidism](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)