

Bioactive

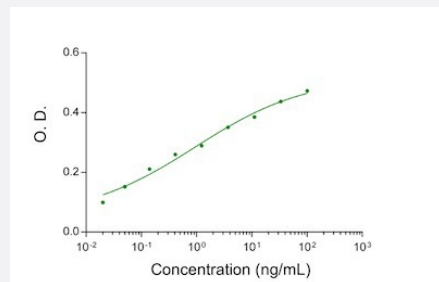
Full-Length

FGF9 (Human) Recombinant Protein

Catalog # P7331

Size 10 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human FGF9 (P31371, 1 a.a. - 208 a.a) full-length recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MAPLGEVGNVFGVQDAVPFGNVPVLPVDSPLVSDHLGQSEAGGLPRGPAVTDLDHLKGILRRR QLYCRTGFHLEIFPNGTIQGTRKDHRSRFGILEFISIAVGLVSRGVDSGLYLGMEKGEYSEKLTQ ECVFREQFEENWYNTYSSNLYKHVDTGRRYYVALNKDGTREGTRTKRHQKFTHFLPRPVDPAK VPELYKDILSQS
Host	Escherichia coli
Theoretical MW (kDa)	23.4
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED ₅₀ < 2.0 ng/mL , measured by a cell proliferation assay using 3T3 cells, corresponding to a specific activity of > 5.0× 10 ⁵ units/mg.

Recommend Usage

Biological Activity
SDS-PAGE
The optimal working dilution should be determined by the end user.

Storage Buffer

Lyophilized from PBS. Reconstitute the lyophilized powder in ddH₂O up to 100 ug/mL.

Storage Instruction

Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

Result of activity analysis
Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

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

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]

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](#)