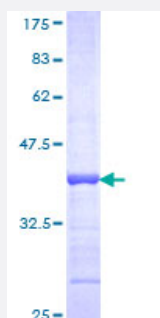


FGF9 (Human) Recombinant Protein (Q01)

Catalog # H00002254-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FGF9 partial ORF (NP_002001, 99 a.a. - 208 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SIAVGLVSIRGVDSGLYLGMNEKGELYGSEKLTQECVFREQFEENWYNTYSSNLYKHVDTGRRYY VALNKDGTREGTRTKRHQKFTHFLRPVDPDKVPELYKDILSQS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — FGF9

Entrez GeneID [2254](#)

GeneBank Accession# [NM_002010](#)

Protein Accession# [NP_002001](#)

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

Publication Reference

- [CRISPR-Cas9-Mediated Correction of the G189R-PAX2 Mutation in Induced Pluripotent Stem Cells from a Patient with Focal Segmental Glomerulosclerosis.](#)

Trionfini P, Ciampi O, Todeschini M, Ascanelli C, Longaretti L, Perico L, Remuzzi G, Benigni A, Tomasoni S.

The CRISPR Journal 2019 Apr; 2:108.

Application: Func, Human, N/A

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](#)