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G HBGF-9

Catalog # PVGS1373

Specification

G HBGF-9 - Product Information

Primary Accession P31371

Species
Mouse

Sequence
LGEVGNYFGV QDAVPFGNVP VLPVDSPVLL SDHLGQSEAG GLPRGPAVTD LDHLKGILRR RQLYCRTGFH LEIFPNGTIQ GTRKDHSRFG ILEFISIAVG LVSIRGVDSG LYLGMNEKGE LYGSEKLTQE CVFREQFEEN WYNTYSSNLY KHVDTGRRYY VALNKDGTPR EGTRTKRHQK FTHFLPRPVD PDKVPELYKD ILSQS

Purity
> 95% as analyzed by SDS-PAGE and HPLC.

Endotoxin Level
< 0.2 EU/ µg, determined by LAL method.

Formulation **Lyophilized after extensive dialysis against PBS.**

Reconstitution
Reconstituted in ddH₂O or PBS at 100 µg/ml.

G HBGF-9 - Additional Information

Gene ID 2254

Other Names
Fibroblast growth factor 9, FGF-9, Glia-activating factor, GAF, Heparin-binding growth factor 9, HBGF-9, FGF9

Target Background
Fibroblast Growth Factor-9 (FGF-9), also known as Glia-activating factor (GAF) and HBGF-9, belongs to the heparin-binding growth factors family. It is a secreted protein that exists as monomer or homodimer. It interacts with FGFR-1, FGFR-2, FGFR-3, and FGFR-4 and plays an important role in regulating cell proliferation, differentiation and migration. It is reported that FGF-9 may be involved in glial cell growth and differentiation during development, gliosis during brain tissue regeneration, and glial tumor growth stimulation. Other reports indicate that FGF-9 plays a role in male development.

G HBGF-9 - Protein Information

Name FGF9

Function

Plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. May have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.

Cellular Location
Secreted.

Tissue Location
Glial cells.

G HBGF-9 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

G HBGF-9 - Images