

FGF-9 Protein, Mouse (N-His)

Cat. No.:	HY-P7352A
Synonyms:	rMuFGF-9; FGF9; GAF; HBGF-9
Species:	Mouse
Source:	E. coli
Accession:	P54130 (A2-S208)
Gene ID:	14180
Molecular Weight:	Approximately 27.91 kDa

PROPERTIES

AA Sequence	<p>A P L G E V G S Y F G V Q D A V P F G N V P V L P V D S P V L L S D H L G Q S E</p> <p>A G G L P R G P A V T D L D H L K G I L R R R Q L Y C R T G F H L E I F P N G T</p> <p>I Q G T R K D H S R F G I L E F I S I A V G L V S I R G V D S G L Y L G M N E K</p> <p>G E L Y G S E K L T Q E C V F R E Q F E E N W Y N T Y S S N L Y K H V D T G R R</p> <p>Y Y V A L N K D G T P R E G T R T K R H Q K F T H F L P R P V D P D K V P E L Y</p> <p>K D I L S Q S</p>
Biological Activity	Measured in a cell proliferation assay using NIH/3T3 mouse fibroblast cells in the presence of 10 µg/mL of heparin. The ED ₅₀ is 0.4023 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, pH 8.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Fibroblast growth factors are important growth factors for physiological systems, and play critical and multifunctional roles during development, tumorigenesis, neuronal systems and disease progressions. FGF9 involves in neuronal disorders, plays an important role for brain development and functions ^[1] .
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Caution: Product has not been fully validated for medical applications. For research use only.

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