

FGF-9 Protein, Rat

Cat. No.:	HY-P7178
Synonyms:	rRtFGF-9; GAF; HBGF-9
Species:	Rat
Source:	E. coli
Accession:	P36364 (L4-S208)
Gene ID:	25444
Molecular Weight:	Approximately 23.1 kDa

PROPERTIES

AA Sequence	<pre> 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 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 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 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 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 K D I L S Q S </pre>
Biological Activity	The ED ₅₀ is <0.5 ng/mL as measured by FGF-receptors transfected BaF3 cells, corresponding to a specific activity of >2.0 × 10 ⁶ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against 20 mM Tris, 400 mM NaCl, pH 8.0.
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 sterile distilled water or aqueous buffer containing 0.1% BSA.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. 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 factor-9 (FGF-9) is a steroid-regulated mitogen and survival factor for nerve and mesenchymal cells. FGF-9 is an autocrine/paracrine growth factor considered to be important for the growth and survival of motorneurons and prostate tissue ^[1] .
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REFERENCES

[1]. Kanda T, et al. FGF-9 is an autocrine/paracrine neurotrophic substance for spinal motoneurons. Int J Dev Neurosci. 1999 Jun;17(3):191-200.

Caution: Product has not been fully validated for medical applications. For research use only.

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