

Rat FGF-9 Protein

Product Information

Product Name	Cat#	Size
RRat FGF-9 Protein	91325ES08	5 µg
	91325ES20	20 µg
	91325ES60	100 µg
	91325ES76	500 µg

Product Description

Fibroblast growth factor-9, is an approximately 26 kDa secreted glycoprotein of the FGF family. Secreted human FGF-9 is a 205-207 aa protein that lacks the N-terminal 1-3 aa and shares 98% sequence identity with mouse, rat, equine, porcine and bovine FGF-9. FGF-9 is an autocrine/paracrine growth factor considered to be important for the growth and survival of motorneurons and prostate. Meanwhile, FGF9 is a potent mitogen and survival factor required for morphogenesis during embryonic development and numerous biological functions at adulthood.

Product Properties

Synonyms	FGF9, FGF-9, Glia-activating factor, GAF, glia-activating factor, HBFG-9, HBGF-9
Accession	P36364
GeneID	25444
Source	E.coli-derived rat FGF-9, Leu4-Ser208.
Molecular Weight	Approximately 23.1 kDa.
AA Sequence	LGEVGSYFGV QDAVPFGNVP VLPVDSPVLL SDHLGQSEAG GLPRGPAVTD LDHLKGILRR RQLYCRTGFH LEIFPNGTIQ GTRKDHSRFG ILEFISIAVG LVSIRGVDSG LYLGMNEKGE LYGSEKLTQE CVFREQFEEN WYNTYSSNLY KHVDTGRRYY VALNKDGTTPR EGTRTKRHQK FTHFLPRPVD PDKVPELYKD ILSQS
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	The ED ₅₀ as determined by thymidine uptake assay using FGF-receptors transfected BaF3 cells is less than 0.5 ng/mL, corresponding to a specific activity of > 2.0 × 10 ⁶ IU/mg. Fully biologically active when compared to standard.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris, 400 mM NaCl, pH 8.0. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20°C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C for 1 year.

1 month, 2 to 8 °C under sterile conditions after reconstitution.

3 months, -20 °C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only!