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Datasheet for 010-001-U76-0010

rMouse FGF-9 Protein

Overview

Description:	Mouse Fibroblast Growth Factor-9 Recombinant Protein - 010-001-U76-0010
Item No.:	010-001-U76-0010
Size:	10 µg
Applications:	SDS-PAGE, Cellular Assay
Origin:	Mouse
Expressed in:	E. coli

Product Details

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. Recombinant mouse FGF-9 is non-glycosylated protein, containing 205 amino acids, with a molecular weight of 23.3 kDa.
Synonyms:	Glia activating factor (GAF), Heparin-binding growth factor -9 (HBGF-9)
Species of Origin:	Mouse
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	Fgf9
Purity/Specificity:	Fibroblast Growth Factor 9 purity was determined to be greater than 95% as determined by analysis by UV-Spectroscopy at 280nm and by reducing and non-reducing SDS-pAGE.
Relevant Links:	• UniProtKB - P15655

Application Details

Tested Applications:	SDS-PAGE
Suggested Applications:	Cellular Assay (Based on references)
Application Note:	Fibroblast Growth Factor 9 Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Fibroblast Growth Factor 9 in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein. Biologic Activity: The activity is determined by the dose-dependent proliferation of murine BALB/c 3T3 cells and is typically less than 4.0 ng/mL.

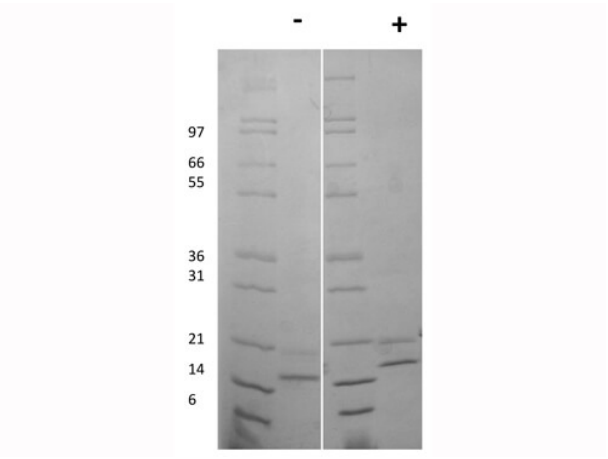
Formulation

Physical State:	Lyophilized
Buffer:	0.01 M Sodium Phosphate, pH 7.5
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	10µl (10-100µl)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

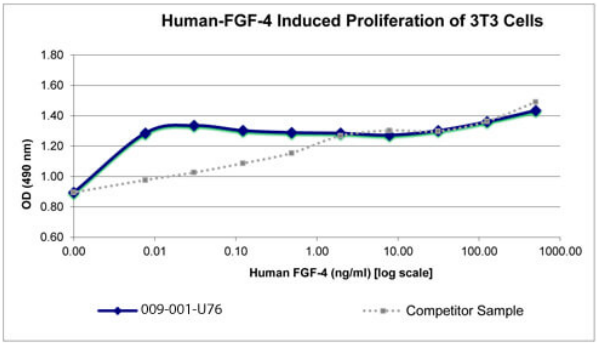
Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE
SDS-PAGE of Mouse Fibroblast Growth Factor-9 Recombinant Protein. Lane 1: 1 µg Mouse FGF-9 in non-reducing conditions (-). Lane 2: 1 µg Mouse FGF-9 in reducing conditions (+). Lane 3: Molecular weight marker. Mouse FGF-9 is predicted to be a 23.3 kDa.



SDS-PAGE
Bioactivity of Mouse Fibroblast Growth Factor-9 Recombinant Protein. 3T3 cells were cultured with 0 to 100 ng/mL Mouse FGF-9. Cell proliferation was measured after 42 hours and the linear portion of the curve was us used to calculate the ED50. The ED50 of Mouse FGF-9 is 0.9-1.4 ng/mL. The typical expected activity is less than 4 ng/mL.

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