

Datasheet for 010-001-U76-0100**rMouse FGF-9 Protein****Overview**

Description:	Mouse Fibroblast Growth Factor-9 Recombinant Protein - 010-001-U76-0100
Item No.:	010-001-U76-0100
Size:	100 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/ μ g 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.

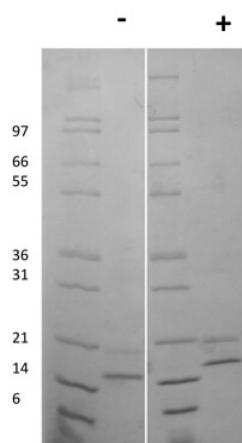
Formulation

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

Shipping & Handling

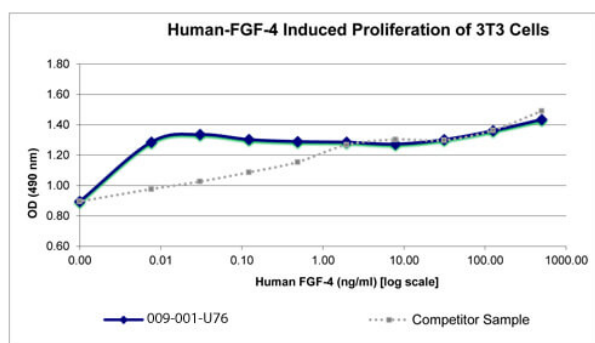
Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results 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 μ g Mouse FGF-9 in non-reducing conditions (-). Lane 2: 1 μ g 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 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.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.