

Datasheet for ABIN6699836

FGF9 Protein**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FGF9 (FGF-9)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Mouse Fibroblast Growth Factor-9 Recombinant Protein
Purification:	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.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose-dependent proliferation of murine BALB/c 3T3 cells and is typically less than 4.0 ng/mL.

Target Details

Target:	FGF9 (FGF-9)
Alternative Name:	Fgf9 (FGF-9 Products)
Background:	Synonyms: Glia activating factor (GAF), Heparin-binding growth factor -9 (HBGF-9) Background: Fibroblast Growth Factor-9 (FGF-9) is a steroid-regulated mitogen and survival

Target Details

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.

UniProt: [P15655](#)

Application Details

Application Notes: Other: User Optimized
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.

Comment: Suggested_Applications: Cellular Assay
Other_Performance_Data:

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitution_Buffer: Restore with deionized water (or equivalent)
Reconstitution_Volume: 100 µL

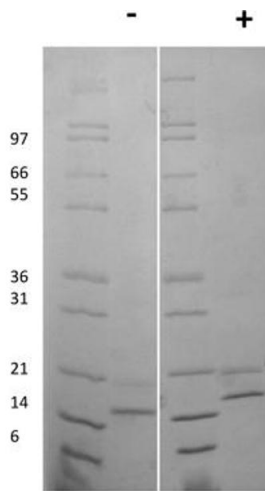
Buffer: Buffer: 0.01 M Sodium Phosphate, pH 7.5
Stabilizer: None

Preservative: Without preservative

Storage: 4 °C, -20 °C

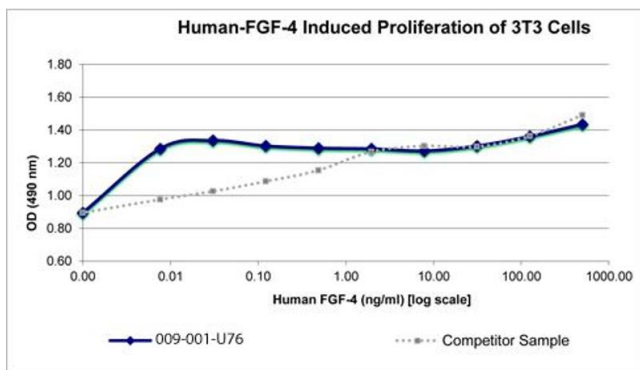
Storage Comment: Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze 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.

Expiry Date: 6 months



SDS-PAGE

Image 1. SDS-PAGE of Mouse Fibroblast Growth Factor-9 Recombinant Protein 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

Image 2. SDS-PAGE of Mouse Fibroblast Growth Factor-9 Recombinant Protein 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.