

Mouse Fibroblast Growth Factor acidic Recombinant Protein - 010-001-U79-0050

Code: 010-001-U79-0050

Size: 50 µg

Product Description: Mouse Fibroblast Growth Factor acidic Recombinant Protein - 010-001-U79-0050

PhysicalState: Lyophilized

Label	Unconjugated
Host	Other - E.coli
Gene Name	Fgf1
Reconstitution Volume	50µL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	None
Preservative	None
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.
Synonyms	Heparin-binding growth factor 1 (HBGF-1), Beta-endothelial growth factor, ECGF-beta, acidic fibroblast growth factor (aFGF)
Application Note	Fibroblast Growth Factor acidic Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Fibroblast Growth Factor acidic in immunological assays.
Background	Fibroblast Growth Factors, FGFs, are a 22 member family of proteins known to be involved in angiogenesis, wound healing and embryonic development. As a family, they bind to heparin and signal through four receptor tyrosine kinases called, FGFR1, 2, 3 and 4. FGF-acidic, or FGF1, is a particularly potent inducer of DNA synthesis and has chemotactic activities. Recombinant mouse FGF-acidic is non-glycosylated protein, containing 141 amino acids, with a molecular weight of 15.9 kDa.
Purity And Specificity	Fibroblast Growth Factor acidic purity was determined to be greater than 98% as determined by analysis of reducing and non-reducing SDS-pAGE.
Assay Dilutions	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is six (6) months from date of opening.

Related Products

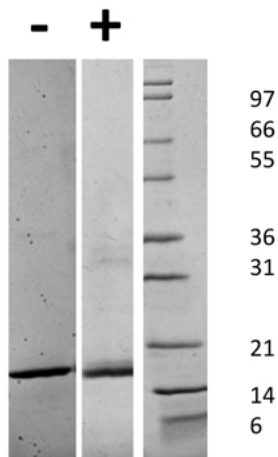
109-401-310	Anti-Human IL-6 (RABBIT) Antibody - 109-401-310
200-301-904	Anti-HEF1 (aa 82-398) (MOUSE) Monoclonal Antibody - 200-301-904
200-301-912	Anti-HEF1 (aa 82-398) (MOUSE) Monoclonal Antibody - 200-301-912
610-1302	Anti-MOUSE IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 610-1302

Related Links

UniProtKB - P54130

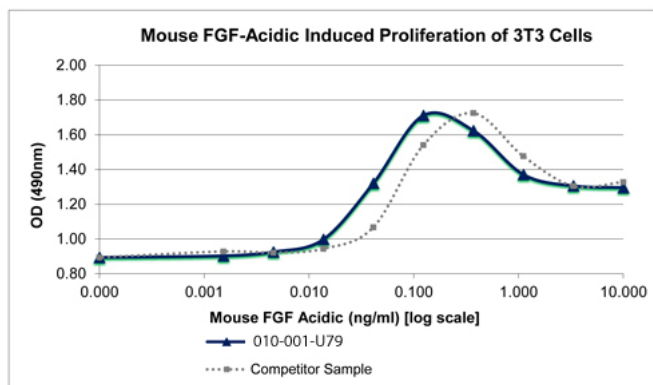
Images

1	SDS-PAGE of Mouse Fibroblast Growth Factor acidic Recombinant Protein.Lane 1: 1 µg Mouse FGF-acidic in non-reducing conditions (-).Lane 2: 1 µg Mouse FGF-acidic in reducing conditions (+).Lane 3: Molecular weight marker.Mouse FGF-acidic has a predicted MW of 15.8 kDa.
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Bioactivity of Mouse Fibroblast Growth Factor acidic Recombinant Protein. Serial dilutions of Mouse FGF Acidic, starting at 10 ng/mL, were added to 3T3 cells in the presence of 10 µg/mL heparin. Cell proliferation was measured after 44 hours and the linear portion of the curve was used to calculate the ED50. The ED50 of Mouse FGF Acidic is 0.03-0.04 ng/mL. This value is comparable with the typical expected range of < 0.2 ng/mL.



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