

## Mouse Fibroblast Growth Factor acidic Recombinant Protein - 010-001-U79-0010

**Code:** 010-001-U79-0010

**Size:** 10 µg

**Product Description:** Mouse Fibroblast Growth Factor acidic Recombinant Protein - 010-001-U79-0010

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Other - E.coli
<b>Gene Name</b>	Fgf1
<b>Reconstitution Volume</b>	10µl (10-100µl)
<b>Reconstitution Buffer</b>	Restore with deionized water (or equivalent)
<b>Stabilizer</b>	None
<b>Preservative</b>	None
<b>Storage Condition</b>	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.
<b>Synonyms</b>	Heparin-binding growth factor 1 (HBGF-1), Beta-endothelial growth factor, ECGF-beta, acidic fibroblast growth factor (aFGF)
<b>Application Note</b>	Fibroblast Growth Factor acidic Recombinant Protein is suitable as a control for polyclonal or monoclonal anti-Fibroblast Growth Factor acidic in immunological assays.
<b>Background</b>	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.
<b>Purity And Specificity</b>	Fibroblast Growth Factor acidic purity was determined to be greater than 98% as determined by analysis of reducing and non-reducing SDS-pAGE.
<b>Assay Dilutions</b>	User Optimized
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is six (6) months from date of opening.

### Related Products

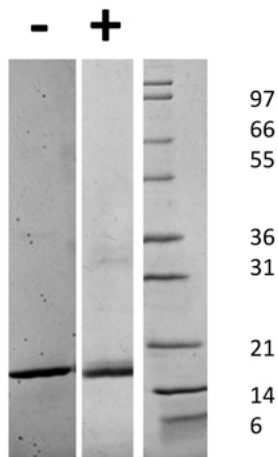
109-401-310	Anti-Human IL-6 (RABBIT) Antibody - 109-401-310
200-301-904	Anti-HEF1 (aa 82-398) (MOUSE) Monoclonal Antibody - 200-301-904
200-301-912	Anti-HEF1 (aa 82-398) (MOUSE) Monoclonal Antibody - 200-301-912
610-1302	Anti-MOUSE IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 610-1302

### Related Links

UniProtKB - P54130

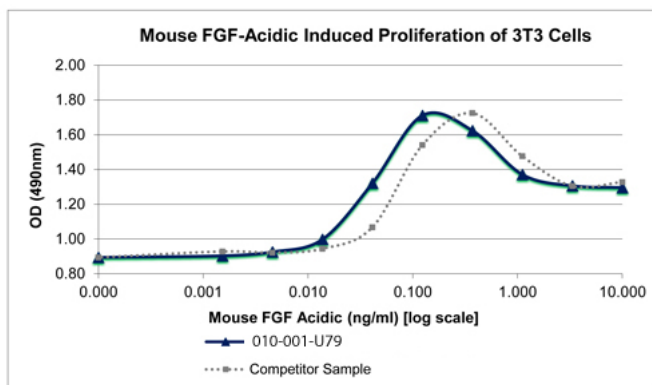
### Images

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 ug/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.



### Disclaimer

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