

## Mouse Fibroblast Growth Factor acidic Recombinant Protein - 010-001-U79-1000

**Code:** 010-001-U79-1000

**Size:** 1 mg

**Product Description:** Mouse Fibroblast Growth Factor acidic Recombinant Protein - 010-001-U79-1000

**PhysicalState:** Lyophilized

<b>Label</b>	Unconjugated
<b>Host</b>	Other - E.coli
<b>Gene Name</b>	Fgf1
<b>Reconstitution Volume</b>	1.0 mL
<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

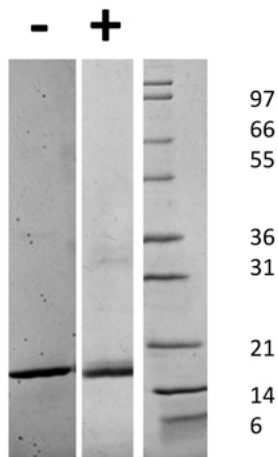
109-401-310	Anti-Human IL-6 (RABBIT) Antibody - 109-401-310
200-301-904	Anti-HEF1 (aa 82-398) (MOUSE) Monoclonal Antibody - 200-301-904
200-301-912	Anti-HEF1 (aa 82-398) (MOUSE) Monoclonal Antibody - 200-301-912
610-1302	Anti-MOUSE IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 610-1302

### Related Links

UniProtKB - P54130

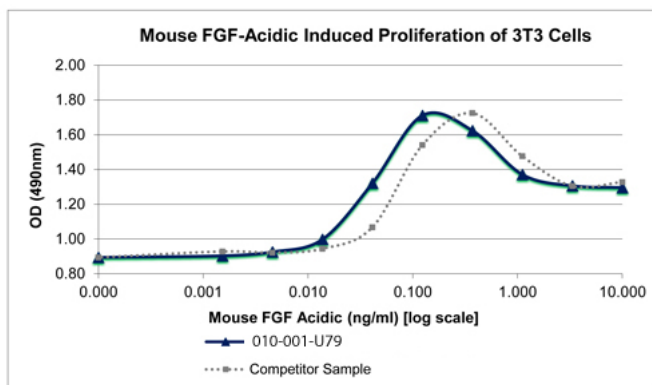
### Images

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

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.