

Human Fibroblast Growth Factor acidic Recombinant Protein - 009-001-U79-1000

Code: 009-001-U79-1000

Size: 1 mg

Product Description: Human Fibroblast Growth Factor acidic Recombinant Protein - 009-001-U79-1000

PhysicalState: Lyophilized

Label	Unconjugated
Host	Other - E.coli
Gene Name	FGF1
Buffer	See application note.
Reconstitution Volume	1.0 mL
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. Buffer formation: 10 mM sodium phosphate, 150 mM sodium sulfate, pH 7.5.
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 FGF-1, is a particularly potent inducer of DNA synthesis and has chemotactic activities. Recombinant human FGF acidic is a non-glycosylated protein, containing 141 amino acids, with a molecular weight of 16 kDa.
Purity And Specificity	Fibroblast Growth Factor acidic purity was determined to be greater than 97% as determined by analysis by UV-Spectroscopy at 280nm and by 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

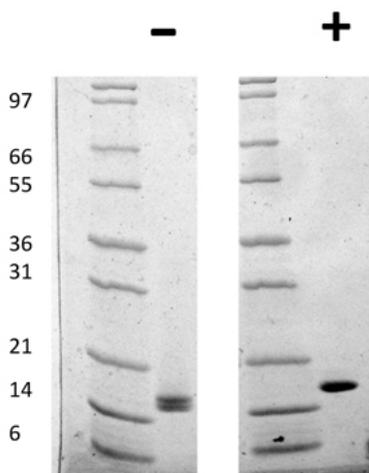
610-1302	Anti-MOUSE IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 610-1302
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50
MB-070	Blocking Buffer for Fluorescent Western Blotting - MB-070
88-8886-31	Rabbit TrueBlot® Western Blot Kit88-8886-31

Related Links

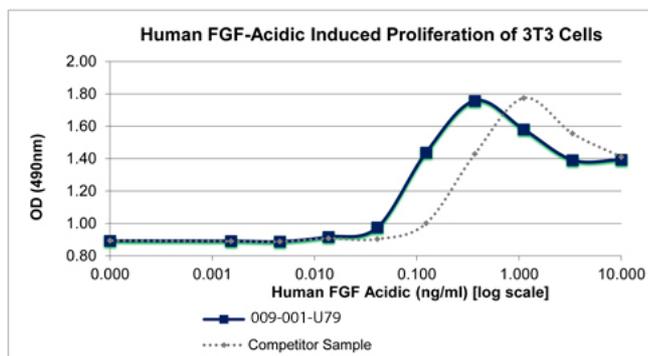
UniProtKB - P05230

Images

1 SDS-PAGE of Human Fibroblast Growth Factor acidic Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Human FGF acidic in non-reducing conditions (-). Lane 3: Molecular weight marker. Lane 4: 1 µg Human FGF acidic in reducing conditions (+). Human FGF acidic has a predicted MW of 15.8 kDa.



2 Bioactivity of Human Fibroblast Growth Factor acidic Recombinant Protein. Serial dilutions of Human 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 Human FGF Acidic is 0.8-0.12 ng/mL. This value is comparable with the typical expected range of < 1 ng/mL.



Disclaimer

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