

Human FGF-basic (FGF-2/bFGF) Recombinant Protein

Product Details

Size	10 µg
Species	Human
Published Species	Rat, Mouse, Human
Expression system	E. coli
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE
Endotoxin concentration	0.1 ng/µg
Activity	ED50 < 1.0 ng/mL; determined by the dose-dependent stimulation of BALB/3T3 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	SDS-PAGE
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	5 Publications
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Carrier-Free

Reconstitution: Reconstitute in 100 µL of 10 mM Tris, pH 7.6, to yield a stock solution of 0.1 mg/mL of bFGF. To avoid loss due to adsorption, prepare dilute solutions in appropriate assay buffer containing at least 0.1% BSA just prior to use. Do not store in dilute solution. For longer term storage, aliquot into buffer containing 0.1% BSA and store in polypropylene vials at -20°C. Avoid repeated freezing and thawing. In applications requiring long-term use of this growth factor in cell cultures, refilter material after dilution in BSA-containing buffer, through a 0.22 micron low protein-binding filter. **Storage:** Six months at -20°C as received. Up to six months at -20°C when aliquoted into solution containing carrier protein (see Reconstitution Recommendation). **NOTE:** Do not store in dilute aqueous solution. Avoid repeated freeze/thaw.

Functional Assay (5)

<p>Frontiers in cellular neuroscience</p> <p>Endothelial Progenitor Cell-Derived Microvesicles Promote Angiogenesis in Rat Brain Microvascular Endothelial Cells <i>In vitro</i>.</p> <p>Authors: Zeng W,Lei Q,Ma J,Gao S,Ju R</p>	<p>Year</p> <p>2021</p> <p>Species</p> <p>Rat</p> <p>Dilution</p> <p>1 ng/mL</p>
<p>Biology of reproduction</p> <p>Cyclosporin A and FGF signaling support the proliferation/survival of mouse primordial germ cell-like cells in vitro†.</p> <p>Authors: Ohta H,Yabuta Y,Kurimoto K,Nakamura T,Murase Y,Yamamoto T,Saitou M</p>	<p>Year</p> <p>2021</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>12 ng/mL</p>

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