



# Bovine basic Fibroblast Growth Factor

<b>Description</b>	Recombinant bovine basic Fibroblast Growth Factor (bbFGF)
<b>Molecular Weight</b>	18 000 (146 aa)
<b>Source</b>	Escherichia coli
<b>Purity</b>	> 95%; sterile
<b>Purification</b>	Heparin affinity chromatography
<b>Biological Activity</b>	≤ 1 ng/ml for half maximum stimulation of cell proliferation with bovine aortic endothelial cells (BAE cells).
<b>Application</b>	Characterized growth factor additive in cell culture media for mesoderm and neuroectoderm-derived cells.
<b>Biological Test System</b>	- Cell proliferation assay with BAE cells - Rabbit cornea in vivo assay
<b>Reconstitution</b>	Reconstitute in 100 µl (10 µg; 50 µg) dist. H <sub>2</sub> O, dilute further in PBS as required.
<b>Storage</b>	at 2-8°C (lyoph.) at -20°C (reconstituted)
<b>Quantity</b>	10 µg (lyoph. in 100 µl phosphate buffered saline (pH 6), supplemented with 5 mM glutathion) 50 µg (lyoph. in 100 µl phosphate buffered saline (pH 6) ), supplemented with 5 mM glutathion) 1 mg (lyoph. in 1.0 mL phosphate buffered saline (pH 6) ), supplemented with 5 mM glutathion)

## References

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Lobb R, Sasse J, Sullivan R, Shing Y, D'Amore P, Jacobs J, Klagsbrun M: Purification and characterization of heparin-binding endothelial cell growth factors. *J Biol Chem* 261, 1924-1928 (1986)

Iwane M, Kurokawa T, Sasada R, Seno M, Nakagawa S, Igarashi K: Expression of cDNA-encoding human basic fibroblast growth factor in *E. coli*. *Biochem Biophys Res Comm* 146, 470-477 (1987)

Knörzer W, Binder HP, Schneider K, Gruss P, McCarthy JEG, Risau W: Expression of synthetic genes encoding bovine and human basic fibroblast growth factors (bFGFs) in *Escherichia coli*. *Gene* 75, 21-30 (1989)

<b>Cat. No.</b>	<b>63004</b>	<b>10 µg</b>
	<b>63005</b>	<b>50 µg</b>
	<b>63104</b>	<b>1 mg</b>