



Applied Biological Materials Inc.

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Recombinant Human FGF1 (E. coli)

Cat.No.	Unit	Accession Number
Z100005	50 µg	P05230

Cat. No.	Z100005
Name	Recombinant Human FGF1 (E. coli)
Description	<p>αFGF and βFGF display 55% homology which is limited, however, to a few functional domains. The structure of αFGF, revealed by X-ray crystallography, shows a similar folding structure as IL1. Because αFGF binds to the same receptor as βFGF, αFGF displays more or less the same spectrum of activities. It is, however, generally less active than βFGF in similar assays. FGF receptors are encoded by a gene family consisting of at least four receptor tyrosine kinases that transduce signals important in a variety of developmental and physiological processes related to cell growth and differentiation. Recombinant Human FGF1 is a single polypeptide of 16 kDa.</p>
Unit Quantity	50 µg
Family	
Alias	αFGF, FGF-1, Heparin-binding growth factor 1, HBGF-1, Endothelial cell growth factor, ECGF-beta, FGFA, FGF1
Gene Symbol	FGF1
Gene ID	9158
Accession Number	P05230
Source	E. coli
Species	Human (H. sapiens)
Appearance	Lyophilized Powder
Molecular Weight	16.0 kDa
Endotoxin Level	<1.0 EU/µg of recombinant protein as determined by the LAL method
Purity	>95% as determined by SDS-PAGE

Formulation	Lyophilized from a 0.2 µm filtered solution in PBS
Function	The ED50 as determined by the dose-dependent stimulation of mouse fibroblasts was <0.5ng/ml
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Storage	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2° - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.
Usage	For research use only. Not for diagnostic or therapeutic use.

Caution: *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 (1-866-757-2414).