

FGF1 active protein

Recombinant Mouse FGF1

CATALOG #
AAA214309

HOST
E Coli

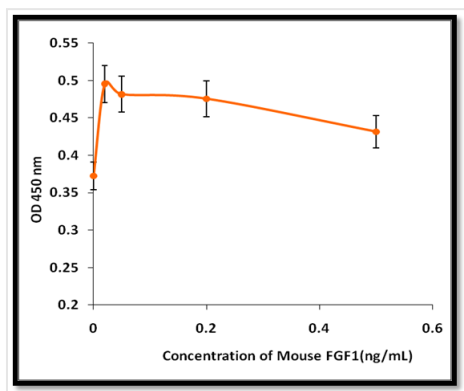
PRODUCT SYNONYMS

FGF1; Recombinant Mouse FGF1; aFGF; Fibroblast growth factor 1; FGF-1; Heparin-binding growth factor 1; HBGF-1; Recombinant Mouse Acidic Fibroblast Growth Factor (FGF1); FGF1 active protein

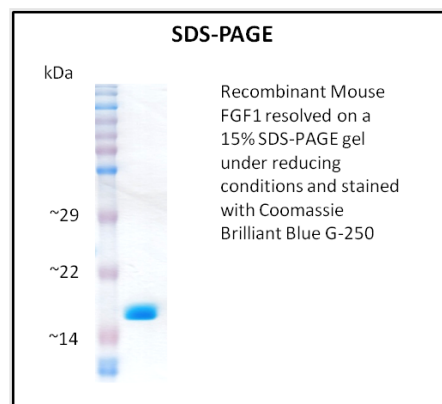
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered PBS solution.
Sequence Length	155
Bioactivity	The ED(50) as determined by the dose-dependent stimulation of thymidine uptake by BaF3 cells expressing FGF receptors is ≤ 10 ng/mL, corresponding to a specific activity of $\geq 1.0 \times 10^5$ units/mg.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
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.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for FGF1 active protein	aFGF and bFGF display 55% homology which is limited, however, to a few functional domains. The structure of aFGF, revealed by X-ray crystallography, shows a similar folding structure as IL-1. Because aFGF binds to the same receptor as bFGF, aFGF displays more or less the same spectrum of activities. It is, however, generally less active than bFGF 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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	6753850
NCBI GeneID	14164
NCBI Accession #	NP_034327.1
NCBI GenBank Nucleotide #	NP_034327.1
UniProt Accession #	P61148
Molecular Weight	16.0 kDa
NCBI Official Full Name	fibroblast growth factor 1
NCBI Official Synonym Full Names	fibroblast growth factor 1
NCBI Official Symbol	Fgf1
NCBI Official Synonym Symbols	Fam; Fgfa; Dffrx; Fgf-1
NCBI Protein Information	fibroblast growth factor 1
UniProt Protein Name	Fibroblast growth factor 1
UniProt Gene Name	Fgf1
UniProt Synonym Gene Names	Fgf-1; Fgfa; FGF-1; aFGF; HBGF-1
UniProt Entry Name	FGF1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.