

Product datasheet for **AR31056PU-L**

FGF basic / FGF2 Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	FGF basic / FGF2 mouse recombinant protein, 50 µg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	ALPEDGGAAF PPGHFKDPKR LYCKNGGFFL RIHPDGRVDG VREKSDPHVK LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTEEC FFFERLESNN YNTYRSRKYS SWYVALKRTG QYKLGSKGPG QKAILFLPMS AKS Result by N-terminal sequencing: ALPEDGGAAF
Predicted MW:	16.34 kDa
Purity:	>95%
Buffer:	Presentation State: Purified State: Lyophilized freeze dried protein without additives. Buffer System: PBS without stabilizers
Bioactivity:	Biological: The activity was determined by the stimulation of HUVE cells. The ED50 for this effect is ≤ 0.1ng/ml corresponding to a specific activity of ≥ 1 x 10e7 units/mg.
Endotoxin:	< 0.1ng per µg of Mouse FGF-2
Reconstitution Method:	Restore with ddH2O or 50 mM Acetic Acid at 50 µg/ml. This solution can be diluted into other buffered solutions or stored frozen for future use.
Preparation:	Lyophilized freeze dried protein without additives.
Protein Description:	Recombinant Mouse Fibroblast Growth Factor-2.
Storage:	The lyophilized Mouse FGF-2, though stable at room temperature, is best stored in working aliquots at -20°C to -70°C. Avoid repeated freeze-thaw cycles
RefSeq:	NP_032032
Locus ID:	14173
UniProt ID:	P15655 , Q541T2
Cytogenetics:	3 18.41 cM
Synonyms:	bFGF; Fgf-2; Fgfb



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Summary:

Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4. Also acts as an integrin ligand which is required for FGF2 signaling. Binds to integrin ITGAV:ITGB3. Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration. Functions as a potent mitogen in vitro. Can induce angiogenesis.[UniProtKB/Swiss-Prot Function]

Product images: