

Product datasheet for **AR31055PU-L**

FGF basic / FGF2 Rat Protein

Product data:

Product Type:	Recombinant Proteins
Description:	FGF basic / FGF2 rat recombinant protein, 50 µg
Species:	Rat
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	ALPEDGGGAF PPGHFKDPKR LYCKNGGFFL RIHPDGRVDG VREKSDPHVK LQLQAEERGV VSIKGVCANR YLAMKEDGRL LASKCVTEEC FFFERLESNN YNTYRSRKYS SWYVALKRTG QYKLGSKGPG QKAILFLPMS AKS Result by N-terminal sequencing: ALPEDGGGAF PP
Predicted MW:	16.34 kDa
Purity:	>98% pure by SDS-PAGE
Buffer:	Presentation State: Purified State: Lyophilized freeze dried protein without additives. Buffer System: 0.5x 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 Rat FGF-2
Reconstitution Method:	Restore with ddH2O 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 Rat Fibroblast Growth Factor-2. The cDNA of native rat FGF-2 (Ala11-Ser154) was cloned from total RNA derived from a rat embryo using standard protocols.
Storage:	The lyophilized Rat 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_062178
Locus ID:	54250
UniProt ID:	P13109
Cytogenetics:	2q25



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Synonyms: FGFB, Heparin-binding growth factor 2, Fibroblast growth factor 2 (basic), BFGF, HBGF-2, HBGF2

Summary: activates the MAP kinase signaling pathway; plays a role in synaptic transmission; induces cell proliferation [RGD, Feb 2006]

Product images:

