

FGF2

Recombinant Human Fibroblast Growth Factor 2 (aa 146)

Catalog No.	CRF150A CRF150B CRF150C	Quantity:	10 µg 50 µg 1 mg
Alternate Names:	Fibroblast Growth Factor basic, FGF basic, BFGF, FGFB, HBFG-2		
Gene ID:	2247		
Description:	Recombinant human Fibroblast Growth Factor 2 contains 146 amino acids.		
Source:	<i>E. coli</i>		
Molecular Weight:	17 kDa		
Formulation:	Lyophilized from a 0.2 µm sterile filtered solution, carrier free.		
Purity:	> 95% as determined by SDS-PAGE analysis		
Endotoxin Level:	< 0.1 ng/µg of FGF2		
Biological Activity:	Determined by the dose-dependent proliferation of BALB/3T3 cells. The ED ₅₀ range is 0.1-1.0 ng/ml.		
Specific Activity:	1.0 x 10 ⁷ to 1.0 x 10 ⁶ units/mg		
Amino Acid Sequence:	PALPEDGGSG IKLQLQAEER NNYNTYRSRK AFPPGHFKDPGVVSIKGVCAYSWYVALKRKRLYCKNGGFNRYLAMKEDGTGQYKLG SKT FLRIHPDGRV RLLASKCVTD GPGQKAILFL DGVREKSDPHECFFFERLESPMSAKS		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to the vial to fully solubilize the protein to a concentration of 0.1-0.5 mg/ml. Further dilutions should be made in medium or buffered solution containing carrier protein such as PBS with 0.1% BSA. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.		
Storage & Stability:	Store lyophilized protein at 2-4°C and reconstituted protein in working aliquots at -20°C to -80°C. Product is stable for 1 year when stored as instructed. Avoid repeated freeze-thaw cycles.		

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