

Recombinant Human FGF2, Basic

#Cat : NB-26-00957-10UG size :10 µg

#Cat : NB-26-00957-50UG size :50 µg

Catalog Number:	NB-26-00957	Product Type:	Recombinant Protein
Source:	E.Coli		
Amino Acid Sequence:	MAAGSITTLP ALPEDGGSGA FPPGHFKDPK RLYCKNGGFF LRIHPDGRVD GVREKSDPHI KLQLQAEERG VVSIKGVCAN RYLAMKEDGR LLASKCVTDE CFFFERLESN NYNTYRSRKY TSWYVALKRT GQYKLGSKTG PGQKAILFLP MSAKS		
Description/Molecular Mass:	Fibroblast Growth Factor-2 Human Recombinant (FGF-2) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of 17353 Dalton. The FGF2-b is purified by proprietary chromatographic techniques.		
Protein Content:	Protein quantitation was carried out by two independent methods 1. UV spectroscopy at 280 nm using the absorbency value of 0.8511 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of Fibroblast Growth Factor-b as a Reference Standard.		
Biological Activity:	The ED ₅₀ , calculated by the dose-dependant proliferation of BAF3 cells expressing FGF receptors (measured by 3H-thymidine uptake) is <0.5 ng/ml, corresponding to a specific activity of 2,000,000 Units/mg.		
Purity:	Greater than 96% as determined by SDS-PAGE.		
Format:	The protein was lyophilized from a concentrated (1mg/ml) solution in PBS, pH 7.4.		
Reconstitution:	It is recommended to reconstitute the lyophilized Fibroblast Growth Factor Basic in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Storage:	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please prevent freeze-thaw cycles.		

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