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Product Datasheet

Recombinant Human FGFb (157AA) EBT-EPT044

Article Name	Recombinant Human FGFb (157AA)
Biozol Catalog Number	EBT-EPT044
Supplier Catalog Number	EPT044
Alternative Catalog Number	EBT-EPT044-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Fibroblast Growth Factor 2/Fibroblast Growth Factor Basic is produced by our E.coli expression system and the target gene encoding Gly132-Ser288 is expressed....
Molecular Weight	Molecular weight: 17.4 KDa. Apparent molecular weight: 16 KDa, reducing conditions
UniProt	P09038
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/µg (0.01 EU/µg) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 1.11 ng/ml. Background: FGF-basic is a members of the Fibroblast Growth Factors (FGFs) family. The family constitutes a large family of proteins involved in many aspects of development including cell proliferation, growth, and differentiation. They act on several cell types to regulate diverse physiologic functions including angiogenesis, cell growth, pattern formation, embryonic development, metabolic regulation, cell migration, neurotrophic effects, and tissue repair. FGF-basic is a non-glycosylated heparin binding growth factor that is expressed in the brain, pituitary, kidney, retina, bone, testis, adrenal gland liver, monocytes, epithelial cells and endothelial cells. FGF-basic signals through FGFR 1b, 1c, 2c, 3c and 4.
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