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Product Datasheet

Recombinant Human/Mouse FGF-8b EBT-EPT144

Article Name	Recombinant Human/Mouse FGF-8b
Biozol Catalog Number	EBT-EPT144
Supplier Catalog Number	EPT144
Alternative Catalog Number	EBT-EPT144-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human/Mouse Fibroblast Growth Factor 8B is produced by our E.coli expression system and the target gene encoding Gln23-Arg215 is expressed....
Molecular Weight	Molecular weight: 22.5 KDa. Apparent molecular weight: 23 KDa, reducing conditions
UniProt	P55075
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 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/ μ g (0.01 EU/ μ g) as determined by LAL test. Biological activity: Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 21.87 ng/ml. Background: Fibroblast growth factor 8 (FGF8) is a member of the fibroblast growth factor family. It is discovered as a growth factor essential for the androgen-dependent growth of mouse mammary carcinoma cells. Mouse FGF8b shares 100% aa identity with human FGF8b. FGF8 is widely expressed during embryogenesis, and mediates epithelial-mesenchymal transitions. It plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. It is required for normal brain, eye, ear, limb development during embryogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system