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Product Datasheet

Recombinant Human FGFa (140AA) EBT-EPT176

Article Name	Recombinant Human FGFa (140AA)
Biozol Catalog Number	EBT-EPT176
Supplier Catalog Number	EPT176
Alternative Catalog Number	EBT-EPT176-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Fibroblast Growth Factor 1/Fibroblast Growth Factor Acidic is produced by our E.coli expression system and the target gene encoding Phe16-Asp155 is expressed....
Molecular Weight	Molecular weight: 16 KDa. Apparent molecular weight: 16 KDa, reducing conditions
UniProt	P05230
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 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: FGF acidic, also known as ECGF, FGF-1 and HBGF-1, is a non-glycosylated heparin binding growth factor that is expressed in the brain, kidney, retina, smooth muscle cells, bone matrix, osteoblasts, astrocytes and endothelial cells. It is a mitogenic peptide that is produced by multiple cell types and stimulates the proliferation of cells of mesodermal, ectodermal, and endodermal origin. Its association with heparan sulfate is a prerequisite for activation of FGF receptors. Internalized FGF acidic migrates to the nucleus where it is phosphorylated by nuclear PKC delta, exported to the cytosol, dephosphorylated, and degraded. Intracellular FGF acidic inhibits p53 activity and proapoptotic signaling
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