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Product Datasheet

Recombinant Human IGF-I (67AA) EBT-EPT091

Article Name	Recombinant Human IGF-I (67AA)
Biozol Catalog Number	EBT-EPT091
Supplier Catalog Number	EPT091
Alternative Catalog Number	EBT-EPT091-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Insulin-like Growth Factor I(4-70) is produced by our E.coli expression system and the target gene encoding Thr52-Ala118 is expressed....
Molecular Weight	Molecular weight: 7.3 KDa. Apparent molecular weight: 9 KDa, reducing conditions
UniProt	P05019
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 0.05 ng/µg (0.5 EU/µg) as determined by LAL test. Background: Insulin-like growth factor I (IGF1) belongs to the family of insulin-like growth factors that are structurally homologous to proinsulin. Mature IGFs are generated by proteolytic processing of inactive precursor protein containing N-terminal and C-terminal propeptide regions. Mature human IGF-I consisting of 70 amino acids with 94% identity with mouse IGF1 and exhibits cross-species activity. IGF1 binds IGF-1R, IGF-2R, and the insulin receptor and plays a key role in cell cycle progression, cell proliferation and tumor progression. IGF1 expression is regulated by growth hormone
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