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## Product Datasheet

### Recombinant Human PDYN (C-6His) EBT-EPT300

Article Name	Recombinant Human PDYN (C-6His)
Biozol Catalog Number	EBT-EPT300
Supplier Catalog Number	EPT300
Alternative Catalog Number	EBT-EPT300-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Proenkephalin-B is produced by our Mammalian expression system and the target gene encoding Asp21-Ala254 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 27.3 KDa. Apparent molecular weight: 35 KDa, reducing conditions
UniProt	<a href="#">P01213</a>
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 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test. Background: Proenkephalin-B(PDYN), belongs to the opioid neuropeptide precursor family. The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing. Leu-enkephalins, which is a type of Proenkephalin-B, compete with and mimic the effects of opiate drugs. They play a role in a number of physiologic functions, including pain perception and responses to stress. Dynorphin peptides differentially regulate the kappa opioid receptor. Dynorphin A has a typical opioid activity, it is 700 times more potent than Leu-enkephalin