

## Product datasheet for **TP726028**

### ProDynorphin (PDYN) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Proenkephalin-B/PDYN(C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp21-Ala254
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human Proenkephalin-B is produced by our mammalian expression system and the target gene encoding Asp21-Ala254 is expressed with a His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	5173
UniProt ID:	<a href="#">P01213</a>
Synonyms:	ADCA; PENKB; SCA23; PDYN; Dynorphin B; Big Dyn
Summary:	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.
Protein Families:	Secreted Protein



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