

Datasheet for ABIN7319493

PDYN Protein (His tag)



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Overview

Quantity:	50 µg
Target:	PDYN
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDYN protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Proenkephalin-B/PDYN Protein (His Tag)
Sequence:	Asp21-Ala254
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	PDYN
Alternative Name:	Proenkephalin-B/PDYN (PDYN Products)
Background:	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

Target Details

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 opiod activity, it is 700 times more potent than Leu-enkephalin.

Synonym: ADCA, PENKB, SCA23, PDYN, Dynorphin B, Big Dyn

Molecular Weight: 27.3 kDa

UniProt: [P01213](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.