

PDYN Protein, Human (HEK293, His)

Cat. No.:	HY-P71058
Synonyms:	ADCA; PENKB; SCA23; PDYN; Dynorphin B; Big Dyn
Species:	Human
Source:	HEK293
Accession:	P01213 (D21-A254)
Gene ID:	5173
Molecular Weight:	Approximately 35.0 kDa

PROPERTIES

AA Sequence	<p>D C L S R C S L C A V K T Q D G P K P I N P L I C S L Q C Q A A L L P S E E W E</p> <p>R C Q S F L S F F T P S T L G L N D K E D L G S K S V G E G P Y S E L A K L S G</p> <p>S F L K E L E K S K F L P S I S T K E N T L S K S L E E K L R G L S D G F R E G</p> <p>A E S E L M R D A Q L N D G A M E T G T L Y L A E E D P K E Q V K R Y G G F L R</p> <p>K Y P K R S S E V A G E G D G D S M G H E D L Y K R Y G G F L R R I R P K L K W</p> <p>D N Q K R Y G G F L R R Q F K V V T R S Q E D P N A Y S G E L F D A</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The PDYN protein, also known as prodynorphin, is associated with Leu-enkephalins, which compete with and emulate the effects of opiate drugs. These peptides play a pivotal role in various physiological functions, including pain perception and responses to stress. Additionally, dynorphin peptides, such as Dynorphin A(1-13), exhibit differential regulation of the kappa opioid receptor. Notably, Dynorphin A(1-13) demonstrates typical opioid activity and is remarkably more potent, being 700 times stronger than Leu-enkephalin.
-------------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA