

Product Name: Recombinant Human PDYN (C-6His)
Catalog #: PHH1993

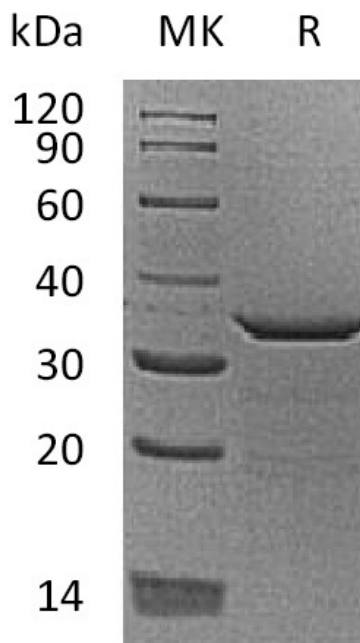


Summary

Name	Proenkephalin-B/PDYN
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	P01213
Host	Human Cells
Species	Human
Predicted Molecular Mass	27.3 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 4mM HCl.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	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.

SDS-PAGE image

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Alternative Names

ADCA; PENKB; SCA23; PDYN; Dynorphin B; Big Dyn

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

Note

For Research Use Only , Not for Diagnostic Use.