

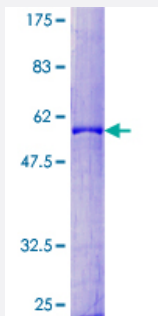
Full-Length

PDYN (Human) Recombinant Protein (P01)

Catalog # H00005173-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PDYN full-length ORF (NP_077722.1, 1 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAWQGLVLAACLLMFPSTTADCLSRCSLCAVKTQDGPKPINPLICSLQCQAALLPSEEWERCQS
FLSFFTPSTLGLNDKEDLGSKSVGEGPYSELAKLSGSFLKELEKSKFLPSISTKENTLSKSLEEKL
RGLSDGFREGAESELMRDAQLNDGAMETGTL YAEEDPKEQVKRYGGFLRKYPKRSSEVAGEG
DGDSMGHEDLYKRYGGFLRRIRPKLKWDNQKRYGGFLRRQFKVVTRSQEDPNAYSGELFDA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.8

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PDYN

Entrez GeneID [5173](#)

GeneBank Accession# [NM_024411.2](#)

Protein Accession# [NP_077722.1](#)

Gene Name PDYN

Gene Alias MGC26418, PENKB

Gene Description prodynorphin

Omim ID [131340](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a preproprotein that is proteolytically processed to form the secreted opioid peptides beta-neoendorphin, dynorphin, leu-enkephalin, rimorphin, and leumorphin. These peptides are ligands for the kappa-type of opioid receptor. Dynorphin is involved in modulating responses to several psychoactive substances, including cocaine. [provided by RefSeq]

Other Designations OTTHUMP00000030002|beta-neoendorphin|beta-neoendorphin-dynorphin|dynorphin|leu-enkephalin|leumorphin|preprodynorphin|preproenkephalin B|rimorphin

Disease

- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Amphetamine-Related Disorders](#)

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cocaine-Related Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Coronary Artery Disease](#)
- [Disease Models](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
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- [Memory Disorders](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Opioid-Related Disorders](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
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- [Puberty](#)
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- [Substance-Related Disorders](#)
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- [Tobacco Use Disorder](#)