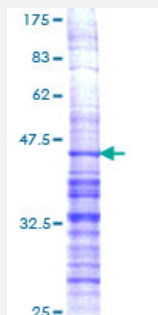


PDYN (Human) Recombinant Protein (Q01)

Catalog # H00005173-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human PDYN partial ORF (NP_077722, 147 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RDAQLNDGAMETGTLYLAEEDPKEQVKRYGGFLRKYPKRSSEVAGEGDGDSMGHEDLYKRYGGFLRRIRPKLKWDNQKRYGGFLRRQFKVVTRSQEDPNAYSGELFDA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
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](#)

Protein Accession# [NP_077722](#)

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](#)
- [Memory Disorders](#)
- [Mental Disorders](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
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- [Puberty](#)
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- [Substance-Related Disorders](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)