

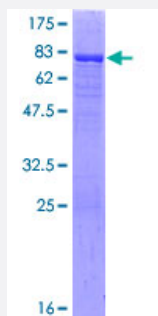
Full-Length

CNDP1 (Human) Recombinant Protein (P01)

Catalog # H00084735-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CNDP1 full-length ORF (NP_116038.4, 1 a.a. - 507 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDPKLGRMAASLLAVLLLLLLERGMFSSPSPPPALLEKVFQYIDLHQDEFVQTLKEWVAIESDSVQ
PVPRFRQELFRMMAVAADTLQRLGARVASVDMGPQQLPDGQSLPIPPVILAEFGSDPTKGTVCF
YGHLDVQPADRGDGLWLTDPYVLTEVDGKLYGRGATDNKGPVLAWINAVSAFRALEQDLPVNIKFII
EGMEEAGSVALEELVEKEKDRFFSGVDYVISDNLWISQRKPAITYGTRGNSYFMVEVKCRDQDF
HSGTGGILHEPMADLVALLGSLVDSSGHILVPGYDEVVPLTEEEINTYKAHLDLEEYRNSSRVEK
FLFDTKEEILMHLWRYPSSIHGIEGAFDEPGTKTVIPGRVIGKFSIRLVPHMNVSAVEKQVTRHLED
VFSKRNSSNKMVVSMTLGLHPWIANIDDTQYLAAKRAIRTVFGTEPDMIRDGSTIPIAKMFQENVHKS
VVLIPLAGVDDGEHSQNEKINRWNYEGTKLFAAFFLEMAQLH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83.1

Interspecies Antigen Sequence

Mouse (81); Rat (82)

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 — CNDP1

Entrez GeneID	84735
GeneBank Accession#	NM_032649.5
Protein Accession#	NP_116038.4
Gene Name	CNDP1
Gene Alias	CN1, CPGL2, HsT2308, MGC102737, MGC10825, MGC142072
Gene Description	carosine dipeptidase 1 (metallopeptidase M20 family)
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the M20 metalloprotease family. The encoded protein is specifically expressed in the brain, is a homodimeric dipeptidase which was identified as human carnosinase. This gene contains trinucleotide (CTG) repeat length polymorphism in the coding region. [provided by RefSeq]
Other Designations	carnosinase 1 glutamate carboxypeptidase-like protein 2

Pathway

- [beta-Alanine metabolism](#)

- [Histidine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)