

CNDP1 mouse monoclonal antibody (hybridoma)

Catalog # H00084735-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CNDP1.
Immunogen	CNDP1 (NP_116038.4, 1 a.a. ~ 507 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDPKLGRMAASLLAVLLLLLLERGMFSSPSPPPALLEKVFQYIDLHQDEFVQTLKEWVAIESDSVQ PVPRFRQELFRMMAVAADTLQRLGARVASVDMGPQQQLPDGQSLPIPPVILAELGSDPTKGTVCF YGHLDVQPADRGDGLWTDPLYLTVEDGKLYGRGATDNKGPVLAWINAVSAFRALEQDLPVNIKFII EGMEEAGSVALEELVEKEKDRFFSGVDYVISDNLWISQRKPAITYGTRGNSYFMVEVKCRDQDF HSGTFGGILHEPMADLVALLGSLVDSSGHILVPGYDEVVPLTEEEINTYKAHLDLEEYRNSSRVEK FLFDTKEEILMHLWRYPSSLIHGIEGAFDEPGTKTVIPGRVIGKFSIRLVPHMNVSAVEKQVTRHLED VFSKRNSSNKMVVSMTLGLHPWIANIDDTQYLAACKRAIRTVFGTEPDMIRDGSTIPIAKMFQENVHKS VVLPLGAVDDGEHSQNEKINRWNYIEGTLFAAFFLEMAQLH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (82)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

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 carnosine 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](#)