

Recombinant Full Length Human CNDP1 Protein, GST-tagged

Cat. No. CNDP1-1913HF Lot. No. (See product label)

SPECIFICATION

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

Species Human

Source In Vitro Cell Free System

Protein Length 507 amino acids

Description 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, Jul 2008]

Molecular Mass 83.1 kDa

AA Sequence

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MDPKLGRMAASLLAVLLLLLLERGMFSSPSPPPALLEKVFQYIDLHQDEFVQTLKEWV
AIESDSVQPVPFRFRQELFRMMAVAADTLQRLGARVASVDMGPQQLPDGQSLPIPPV
ILAELGSDPTKGTVCFYGHLDVQPADRGDGLWLTDPYVLTEVDGKLYGRGATDNKGP
VLAWINAVSAFRALEQDLPVNIKFIIEGMEEAGSVALEELVEKEKDRFFSGVDYIVISD
NLWISQRKPAITYGTRGNSYFMVEVKCRDQDFHSGTFGGILHEPMADLVALLGSLVD
SSGHILVPGIYDEVVPLTEEEINTYKAIHLDL EEYRNSSRVEKFLFDTKEEILMHLWRY
PSLSIHGIEGAFDEPGTKVIPGRVIGKFSIRLVPHMNVSAVEKQVTRHLEDVFSKRN
SSNKMVVSM TGLHPWIANIDDTQYLAAKRAIRTVFGTEPDMIRDGSTIPIAKMFQEIV
HKSVVLIPLGAVDDGEHSQNEKINRWNYIEGTKLFAAFFLEMAQLH
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CNDP1 carnosine dipeptidase 1 (metallopeptidase M20 family) [Homo sapiens]
Official Symbol	CNDP1
Synonyms	CNDP1; carnosine dipeptidase 1 (metallopeptidase M20 family); beta-Ala-His dipeptidase; carnosinase 1; CN1; CPGL2; glutamate carboxypeptidase like protein 2; HsT2308; MGC10825; serum carnosinase; CNDP dipeptidase 1; glutamate carboxypeptidase-like protein 2; MGC102737; MGC142072
Gene ID	84735
mRNA Refseq	NM_032649
Protein Refseq	NP_116038
MIM	609064
UniProt ID	Q96KN2