



Recombinant Human CNDP2 Protein Product Manual

1. Product Basic Information

Product No.: REP06497

Protein Name: Peptidase Carnosinase-Threonyl Dipeptidase (CNDP2)

Aliases: CN2; CPGL; PEPA; HsT2298; HEL-S-13; peptidase carnosinase-threonyl dipeptidase; carnosine dipeptidase carnosine dipeptidase II; cytosolic nonspecific dipeptidase; cytosolic non-specific dipeptidase; e...

UniProt ID: Q96KP4

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96KP4/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-475aa)

Molecular Weight: 56.7kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (2-475aa)

AALTTLFKYIDENQDRYIKKLAKWVAIQSVSAWPEKRGGEIRRMMEVAAADV KQLGG
SVELVDIGKQKLPDGS EIPILLGRLGSDPQKKTVC IYGHLDVQPA ALEDGWDSE
PFTLVERDGLYGRGSTDDKGPVAGWINALEAYQKTGQEIPVNVRF CLEGMEESG
SEGLDELIFARKDTFFKDV DYVCISDNYWL GKKKPCITYGLRGICYFFIEVECSNKDL
HSGVYGGSVHEAMTDLILLMGS LVDKRG N ILIPGINEAVAAVTEEEHKLYDDIDFDIE
EFAKDVGAQILLHSHKKDILMHRWRYP SLSLHGIEGAFSGSGAKTVIPRKVVGKFSIR
LVPNMTPEVVGEQVTSYLT KKFAELRSPNEFKVYMGHGGKPVWSDFSHPHYLAGR
RAMKTVFGVEPDLTREGGSIPVTLTFQEATGKNVMLLPVGSADDGAHSQNEKLN R
YNYIEGTKMLAAYLYEVSQ LKD

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human CNDP2 full length of mature protein protein (2-475aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. CNDP2, also known as CN2 or CPGL or PEPA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.