



Recombinant Human CPN2 Protein Product Manual

1. Product Basic Information

Product No.: REP06535

Protein Name: Carboxypeptidase N Subunit Carboxypeptidase N 83 Kda Chain (CPN2)

Aliases: carboxypeptidase N subunit carboxypeptidase N 83 kDa chain; carboxypeptidase N large subunit; carboxypeptidase N regulatory subunit; carboxypeptidase N, polypeptide 2, 83kD

UniProt ID: P22792

UniProt Link: <https://www.uniprot.org/uniprotkb/P22792/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (22-545aa)

Molecular Weight: 59.2 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (22-545aa)

CPMGCDCFVQEVFCSDEELATVPLDIPPYTKNIIFVETSFTTLETRAFGSNPNLTKVV
FLNTQLCQFRPDAFGGLPRLEDLEVTGSSFLNLSTNIFSNLTSLGKLTNFMNLEALP
EGLFQHAALES LHLQGNQLQALPRRLFQPLTHLKTNLNAQNLLAQLPEELFHPLTS
LQTLKLSNNALSGLPQGVFGKLGS LQELFLDSNNISELPPQVFSQLFCLERLWLQRN
AITHLPLSIFASLG NLTFLSLQWNMLRVLPAGLFAHTPCLVGLSLTHNQLETVAEGTF
AHLNLRSLMLS YNAITHLPAGIFRDLEELVKLYLG SNNLTALHPALFQNLSKLELLSL
SKNQLTTLPEGIFDTNYNLFNLALHGNPWQCDCHLAYLFNWLQQYTDRLLNIQTYC
AGPAYLKGQVVPALNEKQLVCPVTRDHLGFQVTWPDESKAGGSWDLAVQERAAR
SQCTYSNPEGTVVLACDQAQCRWLVNQLSPQQGSLGLQYNASQEWDLRSSCGSL
RLTVSIEARAAGP

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)

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

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 CPN2 full length of mature protein protein (22-545aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CPN2, also known as carboxypeptidase N subunit carboxypeptidase N 83 kDa chain or carboxypeptidase N large subunit or carboxypeptidase N regulatory subunit, 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.