

Carboxypeptidase N catalytic chain (CPN1) Recombinant Protein | CPN1 recombinant protein

Recombinant Human Carboxypeptidase N catalytic chain (CPN1)

CATALOG #
AAA113353

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Carboxypeptidase N catalytic chain (CPN1); Recombinant Human Carboxypeptidase N catalytic chain (CPN1); CPN1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	21-458aa; Full Length of Mature Protein
Sequence	VTFRHHRYDD LVRTLYKVQN ECPGITRVYS IGRSVEGRHL YVLEFSDHPG IHEPLEPEVK YVGNMHGNEA LGRELMLQLS EFLCEEFRNR NQRIVQLIQD TRIHILPSMN PDGYEVAAAQ GPNKPGYLVG RNNANGVDLN RNFDDLNTYI YYNEKYGGPN HHLPLPDNWK SQVEPETRAV IRWMHSFNFV LSNLHGGAV VANYPYDKSF EHRVRGVRRT ASTPTDDKL FQKLAKVYSY AHGWMFQGWN CGDYFPDGIT NGASWYSLSK GMQDFNYLHT NCFEITLELS CDKFPPEEEL QREWLGNREA LIQFLEQVHQ GIKGMVLDEN YNNLANAVIS VSGINHDTVTS GDHGDYFRLL LPGIYTVSAT APGYDPETVT VTVGPAEPTL VNFHLKRSIP QVSPVRRAPS RRHGVRAKVQ PQARKKEMEM RQLQRGPA
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for CPN1 recombinant protein	Carboxypeptidase N is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The enzyme is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This enzyme is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits; this gene encodes the catalytic subunit. Mutations in this gene can be associated with angioedema or chronic urticaria resulting from carboxypeptidase N deficiency.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503011
NCBI GeneID	1369
NCBI Accession #	NP_001299.1
NCBI GenBank Nucleotide #	NM_001308.2
UniProt Accession #	P15169; B1AP59
Molecular Weight	57.5 kDa
NCBI Official Full Name	carboxypeptidase N catalytic chain
NCBI Official Synonym Full Names	carboxypeptidase N subunit 1

NCBI Official Symbol	CPN1
NCBI Official Synonym Symbols	CPN; SCPN
NCBI Protein Information	carboxypeptidase N catalytic chain
UniProt Protein Name	Carboxypeptidase N catalytic chain
UniProt Gene Name	CPN1
UniProt Synonym Gene Names	ACBP; CPN; SCPN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cpn1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113353>