

## Recombinant Human CPN1 protein, His-tagged

**Cat. No.** CPN1-8437H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CPN1 protein(P15169)(21-458aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 21-458aa                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                                                                                 |
| <b>Molecular Mass</b>   | 54.1 kDa                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                     |
| <b>Reconstitution</b>   | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. |

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**AA Sequence**

VTFRHHRYDDLVRTLYKVQNECPGITRVYSIGRSVEGRHLYVLEFSDHPGIHEPLEP  
 EVKYVGNMHGNEALGREMLQLSEFLCEEFRNRNQRIQLIQDTRIHLPSMNPBGY  
 EVAAAQGPKNKPGYLVGRNNANGVDLNRNFPDLNTYIYYNEKYGGPNHHLPLPDNW  
 KSQVEPETRAVIRWMHSFNFVLSANLHGGAVVANYPYDKSFEHRVRGVRRTASTPT  
 PDDKLFQKLAKVYSYAHGWMFQGWNCGDYFPDGITNGASWYSLSKGMQDFNYLH  
 TNCFEITLELSCDKFPPEEELQREWLGNREALIQFLEQVHQGIKGMVLDENYNLAN  
 AVISVSGINHDTVSGDHGDYFRLLLPGIYTVSATAPGYDPETVTVTVGPAEPTLVNFH  
 LKRSIPQVSPVRRAPSRRHGVRAKVQPQARKKEMEMRQLQRGPA

**GENE INFORMATION**

**Gene Name** CPN1 carboxypeptidase N, polypeptide 1 [ Homo sapiens ]

**Official Symbol** CPN1

**Synonyms** CPN1; carboxypeptidase N, polypeptide 1; carboxypeptidase N, polypeptide 1, 50kD; carboxypeptidase N catalytic chain; anaphylatoxin inactivator; arginine carboxypeptidase; carboxypeptidase K; kininase I; lysine carboxypeptidase; kininase-1; serum carboxypeptidase N; plasma carboxypeptidase B; carboxypeptidase N small subunit; carboxypeptidase N catalytic subunit; carboxypeptidase N polypeptide 1 50 kD; CPN; SCPN; FLJ40792;

**Gene ID** 1369

**mRNA Refseq** NM\_001308

**Protein Refseq** NP\_001299

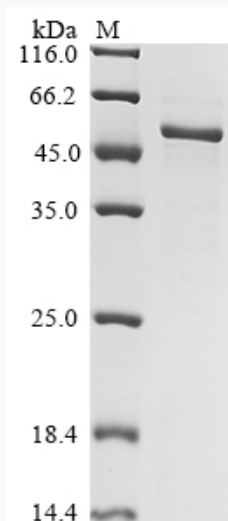
**MIM** 603103

**UniProt ID** P15169

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**SDS-PAGE**

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