

Recombinant Human CPN1 Protein, His-tagged

Cat. No. CPN1-847H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CPN1 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	21-458 aa
Description	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.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	50 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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