Recombinant Full Length Human CPN1 Protein, GST-tagged

Cat. No. CPN1-2097HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CPN1 full-length ORF (NP_001299.1, 1 a.a. - 458 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	458 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	78.7 kDa
AA Sequence	MSDLLSVFLHLLLLFKLVAPVTFRHHRYDDLVRTLYKVQNECPGITRVYSIGRSVEGR HLYVLEFSDHPGIHEPLEPEVKYVGNMHGNEALGRELMLQLSEFLCEEFRNRNQRIV QLIQDTRIHILPSMNPDGYEVAAAQGPNKPGYLVGRNNANGVDLNRNFPDLNTYIYY NEKYGGPNHHLPLPDNWKSQVEPETRAVIRWMHSFNFVLSANLHGGAVVANYPYD KSFEHRVRGVRRTASTPTPDDKLFQKLAKVYSYAHGWMFQGWNCGDYFPDGITNG

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

	ASWYSLSKGMQDFNYLHTNCFEITLELSCDKFPPEEELQREWLGNREALIQFLEQVH QGIKGMVLDENYNNLANAVISVSGINHDVTSGDHGDYFRLLLPGIYTVSATAPGYDP ETVTVTVGPAEPTLVNFHLKRSIPQVSPVRRAPSRRHGVRAKVQPQARKKEMEMR QLQRGPA
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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mRNA Refseq	NM_001308
Protein Refseq	NP_001299
MIM	603103
UniProt ID	P15169

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