

Product datasheet for **SC126271**

CPN1 (BC027897) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPN1 (BC027897) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPN1
Synonyms:	anaphylatoxin inactivator; arginine carboxypeptidase; carboxypeptidase N, polypeptide 1, 50kD; carboxypeptidase N catalytic subunit; carboxypeptidase N polypeptide 1 50 kD; carboxypeptidase N small subunit; CPN; FLJ40792; kininas; OTTHUMP00000020269; SCPN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC027897 edited
 TGCAAAAAACCTTTCAAAAGGCTTTCCTGGATTAGAGAAAAGAAAGGGAGTGAGGGAGGAG
 AGATGAGTGGCTATTCCAGAACGACATAAAGAATTTCCAGCCTTGGACGGACAGCTGGGA
 ACGTCTTCCAATTTGGACTGGTGTTTACAAGCGGGAAGCTAGGTGGACCTTGGATTTTGG
 CGGGTGAAGAGGCTAGGTTGTTTAAAGGAGTGGGGCGGTTTCAGTGGCTCTCTTTGAAA
 AAGCCCAGCAAGATGTCAGACCTGCTCTCAGTCTTCTCCACCTCCTCTCTCTCAAG
 TTGGTTGCCCCGGTGACCTTTCGCCACCACCGCTATGATGATCTTGTGCGGACGCTGTAC
 AAGGTGCAAAACGAATGCCCCGGCATCACGCGGGTCTACAGCATTGGGCGCAGCGTGGAG
 GGGAGACACCTCTACGTCTGGAGTTCAGCGACCACCCTGGAATCCACGAGCCCTTGAA
 CCAGAGGTCAAGTATGTGGGGAACATGCACGGCAACGAAGCGTTGGGCCGCGAGCTGATG
 CTGACAGTGTGCGAGTTTCTGTGCGAGGAGTTCGGGAACAGGAACCAGCGCATCGTCCAG
 CTCATCCAGGACACGCGCATTACATCCTGCCATCCATGAACCCCGACGGCTACGAGGTG
 GCTGCTGCCCAGGGCCAAACAAGCCTGGGTATCTAGTTGGCAGGAACAATGCAAATGGA
 GTGGACCTGAACCGCAACTTCCCTGATCTCAATACCTATATCTACTATAACGAGAAGTAC
 GGAGGCCCAACCACCACCTGCCCTTCCAGACAACCTGGAAAAGTCAGGTGGAACCCGAG
 ACCCGGGCGGTGATCCGGTGGATGCACTCCTTCAACTTTGTTCTTTCAGCCAATCTCCAC
 GGAGGGGCGGTGGTGGCCAATTACCCGTATGACAAGTCCTTTGAGCACCGGGTCCGAGGG
 GTCCGCCGACCCGACGACCCCCACGCCTGACGACAAGCTTTCAGAAAGCTGGCCAAG
 GTCTACTCCTATGCACATGGATGGATGTTCCAAGTGGAACTGCCGAGATTACTTCCCA
 GATGGCATCACC AATGGAGCTTCTGGTATTCTCTCAGCAAGGGAATGCAAGACTTTAAT
 TATCTCCATACCAACTGCTTTGAGATCACGCTGGAAGTGGATTGCGACAAGTTTCCCCC
 GAAGAGGAGTTACAGCGGAGTGGCTGGTAATCGGGAAGCCCTAATCCAGTTCTTGAA
 CAGGTTCAACAGGGCATCAAGGGAATGGTGTGATGAGAATTACAATAATCTCGCCAAT
 GCTGTCAATTTCTGTGAGTGGGATTAACCATGATGTCACCTCAGGTGACCATGGTGATTAC
 TCCGGCTGCTGCTTCCAGGTATCTACACTGTTAGTGCCACAGCACCTGGGTATGACCCA
 GAGACAGTAACTGTGACCGTGGGTCTGCGGAACCAACGTTGGTTAACTTCCACCTCAA
 AGAAGCATCCCTCAAGTAAGCCCTGTGAGGAGAGCTCCAGCAGAAGGCACGGAGTCAGA
 GCCAAAGTGCAGCCCAAGCCAGAAAGAAAGAAATGGAGATGAGGCAGCTGCAGAGAGGC
 CCTGCCTGAAACCCACAGTGCCAGGCAACCCTTCCAGAAAGGCTTTGCTCCTGCTCTCAGA
 TCAGATCAAGCATTCTTTCTATTTTATTATCTGGGACATATTTAAATACAACATATTCA
 GAACAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC027897 unedited
 GATTTTGAATACGACTTACTATAGGGCGGCCGGAATTCANATCTGGTACCGGTCCGGA
 ATTCGCGGATTGCAAAAAACCTTTCAAAGCTTTCCTGGATTAGAGAAAAGAAAGGGAGT
 GAGGGAGGAGAGATGAGTGGCTATTCCAGAACGACATAAAGAATTTCCAGCCTTGGACGG
 ACAGCTGGGAACGCTTCCAATTTGGACTGGTGTTTACAAGCGGGAAGCTAGGTGGACCT
 TGGATTTTGGCGGTGAAGAGGCTAGGTTGTTTAAAGGAGTGGGGCGGTTTCAGTGGCT
 CTCTTTGAAAAAGCCAGCAAGATGTCAGACCTGCTCTCAGTCTTCTCCACCTCCTCCT
 TCTCTTCAAGTTGGTTGCCCGGTGACCTTTCGCCACCACCGCTATGATGATCTTGTGCG
 GACGCTGTACAAGGTGCAAAACGAATGCCCCGGCATCACGCGGGTCTACAGCATTGGGCG
 CAGCGTGGAGGGGAGACACCTCTACGTGCTGGAGTTCAGCGACCACCCTGGAATCCACGA
 GCCCTTGAACCAAGAGGTCAAGTATGTGGNGAACATGCACGGCAACGAAGCGTTGGGCCG
 CGAGCTGATGCTGACGCTGTGCGAGTTTCTGTGCGAGGAGTTCGGGAACANGAACAGCG
 CATCGTCCAGCTCATCCAGGACACGCGCATTACATCCTGCCATCCATGAACCCCGACG
 CTACAAGTGGCTGCTGCCCAGGGCCAAACAGCCTGGGTATCTAGTTGGCAGGGAACAT
 GCAAATGGGAGTGGACCTGAACCCGCACTTCTGGATCTACATACCTATTTCTACTTTACG
 AGGAGTACGGGAGGCCCAACAACACCTTGCCCTTCCGAAACTGGAAAAATCAGGTGGG
 AACCCGAACCCGGGCCGGGGATCCGGGGAGCCCTCCTTCCACTTTGGTCTTTAACCCAA
 TTCCCGGGGGG

Restriction Sites: NotI-NotI

ACCN:	BC027897
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC027897.1 , AAH27897.1
RefSeq Size:	1784 bp
Locus ID:	1369
Cytogenetics:	10q24.2
Protein Families:	Druggable Genome, Protease, Secreted Protein
Gene Summary:	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]