CPA5 cDNA Clone – Carboxypeptidase A5 (Human)

PRODUCT OVERVIEW

Product Name	CPA5, cDNA Clone
Full Product Name	CPA5 cDNA Clone
Product Gene Name	CPA5 cdna clone
Sequence	atgcagggca ctcctggagg cgggacgcgc cctgggccat cccccgtgga caggcggaca ctcctggtct tcagctttat cctggcagca gctttgggcc aaatgaattt cacaggggac caggttcttc gagtcctggc caaagatgag aagcagcttt cacttctcgg ggatctggag ggcctgaaac cccagaaggt ggacttctgg cgtggcccag ccaggcccag cctccctgtg gatatgagag ttcctttctc cgaactgaaa gacatcaaag cttatctgga gtctcatgga cttgcttaca gcatcatgat aaaggacatc caggtgctgc tggatgaggg aagacaggcc atggcgaaat cccgccggct ggagcgcagc accaacagct tcagttactc atcataccac accctggagg agatatatag ctggattgac aactttgtaa tggagcattc cgatattgtc tcaaaaattc agattggcaa cagctttgaa aaccagtcca ttcttgtcct gaagttcagc actggaggtt ctcggcaccc agccatctgg atcgacactg gaattcactc ccgggagtgg atcacccatg ccaccggcat ctggactgcc aataagattg tcagtgatta tggcaaagac cgtgtcctga cagacatact gaatgccatg gacatcttca tagagctcgt cacaaaccct gatgggtttg cttttaccca cagcatgaac cgcttatggc ggaagaacaa gtccatcaga cctggaatct tctgcatcgg cgtggatctc aacaggaact ggaagtcggg ttttggagga aatggttcta acagcaaccc ctgctcagaa acttatcacg ggccctcccc tcagtcggag ccggaggtgg ctgccatagt gaacttcatc acagcccatg gcaacttcaa ggctctgatc tccatccaca gctactctca gatgcttatg tacccttacg gccgattgct ggagcccgtt tcaaatcaga gggagttgta cgatcttgcc aaggatgcgg tggaggcctt gtataaggtc catgggatcg agtacatttt tggcagcatc agcaccaccc tctatgtggc cagtgggatc accgtcgact gggcctatga cagtggcatc aagtacgcct tcagctttga gctccgggac actgggcagt atggcttcct gctgccggcc acacagatca tccccacggc ccaggagacg tggatggcgc ttcggaccat catggagcac accctgaatc acccctacta g
Molecular Weight	44,881 Da
OMIM	609561
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CPA5 cdna clone	MBS1270336 is a cDNA clone targeting CPA5.
Other Notes	Small volumes of CPA5 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CPA5. It may not necessarily be applicable to this product.

NCBI GI #	25058206
NCBI GeneID	93979
NCBI Accession #	BC039362
UniProt Secondary Accession #	Q6ZNI6; Q86SE2; Q86XM3; Q8NA08; G3V0G8
UniProt Related Accession #	Q8WXQ8
NCBI Official Full Name	Homo sapiens carboxypeptidase A5, mRNA
NCBI Official Synonym Full Names	carboxypeptidase A5
NCBI Official Symbol	CPA5
UniProt Protein Name	Carboxypeptidase A5
Protein Family	Carboxypeptidase

UniProt Gene Name	CPA5
UniProt Entry Name	CBPA5_HUMAN
NCBI Protein Information	carboxypeptidase A5
NCBI Summary for CPA5	Carboxypeptidases have functions ranging from digestion of food to selective biosynthesis of neuroendocrine peptides. Members of the A/B subfamily of carboxypeptidases, such as CPA5, contain an approximately 90-amino acid pro region that assists in the folding of the active carboxypeptidase domain. Cleavage of the pro region activates the enzyme (Wei et al., 2002 [PubMed 11836249]).[supplied by OMIM, Mar 2008]
UniProt Comments for CPA5	CPA5: Belongs to the peptidase M14 family. 2 isoforms of the human protein are produced by alternative splicing Protein type: EC 3.4.17.1; Secreted; Protease; Secreted, signal peptide Chromosomal Location of Human Ortholog: 7q32 Cellular Component: extracellular space Molecular Function: metallocarboxypeptidase activity
Research Articles on CPA5	**1.** mutation screening and imprinting analysis of candidate genes for autism in the 7q12 region.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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