

Product datasheet for PH302800

Carboxypeptidase B2 (CPB2) (NM_001872) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CPB2 MS Standard C13 and N15-labeled recombinant protein (NP_001863)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202800
Predicted MW:	48.4 kDa
Protein Sequence:	>RC202800 protein sequence Red=Cloning site Green=Tags(s)
	MKLCSLAVLVPIVLFCEQHVFAFQSGQVLAALPRTSRQVQLQNLTTTYEIVLWQPVTADLIVKKKQVHF FVNASDNDNVKAHLNVSGIPCSVLLADVEDLIQQQISNDTVSPRASASYEQYHSLNEIYSWIEFITERH PDMLTKIHIGSSFKEYPLYVLKVSQKEQAAKNAIWIDCGIHAREWISPAFCLWFIGHITQFYGIIGQYTN LLRLVDFYVMPVNVVDGYDYSWKKNRMRKNSFYANNHCIGTDLNRNFASKHWCEEGASSSSCSETYCG LYPESEPEVKAVASFLRRNINQIKAYISMHSYSQHIVFPYSYTRSKSKDHEELSLVASEAVRAIEKTSKN TRYTHGHGSETLYLAPGGDDWIYDLGIKYSFTIELRDTGTYGFLPERYIKPTCREAFAAVSKIAWHVI RNV
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001863</u>
RefSeq Size:	1766
RefSeq ORF:	1269
Synonyms:	CPU; PCPB; TAFI



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Locus ID: 1361

UniProt ID: [Q96IY4](#)

Cytogenetics: 13q14.13

Summary: Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase B (cleaving basic amino residues). The protein encoded by this gene is activated by trypsin and acts on carboxypeptidase B substrates. After thrombin activation, the mature protein downregulates fibrinolysis. Polymorphisms have been described for this gene and its promoter region. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]

Protein Families: Druggable Genome, Protease, Secreted Protein

Protein Pathways: Complement and coagulation cascades

Product images:



Coomassie blue staining of purified CPB2 protein (Cat# [TP302800]). The protein was produced from HEK293T cells transfected with CPB2 cDNA clone (Cat# [RC202800]) using MegaTran 2.0 (Cat# [TT210002]).