

Product datasheet for **TP302800L**

Carboxypeptidase B2 (CPB2) (NM_001872) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carboxypeptidase B2 (plasma) (CPB2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202800 protein sequence Red =Cloning site Green =Tags(s)

MKLCSLAVLVPIVLFCEQHVFQSGQVLAALPRTSRQVQVLQNLTTTYEIVLWQPVTADLIVKKKQVHF
FVNASDVDNVKAHLNVSGIPCSVLLADVEDLIQQQISNDTVSPRASASYEQYHSLNEIYSWIEFITERH
PDMCLKIHIGSSFKEYPLYVLKVSQKEQAAKNAIWIDCGIHAREWISPAFCLWFIGHTQFYGIIGQYTN
LLRLVDFYVMPVWVNDGYDYSWKKNRMRKNSFYANNHCIGTDLNRFASKHWCEEGASSSSCSEYTCG
LYPESEPEVKAVASFLRRNINQIKAYISMHSYSQHIVFPYSYTRSKSKDHEELSLVASEAVRAIEKTSKN
TRYTHGHGSETLYLAPGGDDWIYDLGIKYSFTIELRDTGTYGFLPERYIKPTCREAFAAVSKIAWHVI
RNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	45.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001863</u>



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Locus ID: 1361
UniProt ID: [Q96IY4](#)
RefSeq Size: 1766
Cytogenetics: 13q14.13
RefSeq ORF: 1269
Synonyms: CPU; PCPB; TAFI

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]).