

Product datasheet for PH302800

OriGene Technologies, Inc.

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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:HumanExpression Host:HEK293

Expression cDNA Clone

RC202800

or AA Sequence: Predicted MW:

48.4 kDa

Protein Sequence: >RC202800 protein sequence

Red=Cloning site Green=Tags(s)

MKLCSLAVLVPIVLFCEQHVFAFQSGQVLAALPRTSRQVQVLQNLTTTYEIVLWQPVTADLIVKKKQVHFFVNASDVDNVKAHLNVSGIPCSVLLADVEDLIQQISNDTVSPRASASYYEQYHSLNEIYSWIEFITERHPDMLTKIHIGSSFEKYPLYVLKVSGKEQAAKNAIWIDCGIHAREWISPAFCLWFIGHITQFYGIIGQYTNLLRLVDFYVMPVVNVDGYDYSWKKNRMWRKNRSFYANNHCIGTDLNRNFASKHWCEEGASSSSCSETYCGLYPESEPEVKAVASFLRRNINQIKAYISMHSYSQHIVFPYSYTRSKSKDHEELSLVASEAVRAIEKTSKNTRYTHGHGSETLYLAPGGGDDWIYDLGIKYSFTIELRDTGTYGFLLPERYIKPTCREAFAAVSKIAWHVI

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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: NP 001863

RefSeq Size: 1766 RefSeq ORF: 1269

Synonyms: CPU; PCPB; TAFI



Locus ID: 1361

UniProt ID: Q96IY4

Cytogenetics: 13q14.13

Summary: Carboxypeptidases are enzymes that hydrolyze C-terminal peptide bonds. The

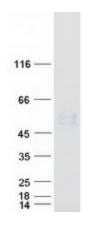
carboxypeptidase family includes metallo-, serine, and cysteine carboxypeptidases. According to their substrate specificity, these enzymes are referred to as carboxypeptidase A (cleaving aliphatic residues) or carboxypeptidase B (cleaving basic amino residues). The protein encoded by this gene is activated 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]).