

Product datasheet for PH304463

Carboxypeptidase B (CPB1) (NM_001871) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CPB1 MS Standard C13 and N15-labeled recombinant protein (NP_001862)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204463
Predicted MW:	47.4 kDa
Protein Sequence:	>RC204463 protein sequence Red=Cloning site Green=Tags(s) MLALLVLTVALASAHHGGEHFEGEKVFRVNVEDENHINI IRELASTTQIDFWKPDSVTQIKPHSTVDFR YKAEDTVTVENVLKQNELQYKVLISNLRNVVEAQFDSRVRATGHSYEKYNKWETIEAWTQQVATENPALI SRSVIGTTFEGRAIYLLKVGKAGQNKPAIFMDCGFHAREWISPAFCQWFVREAVRTYGREIQVTELLDKL DFYVLPVLNIDGYIYTWKSRFWRKTRSTHTGSSCIGTDPNRFNDAGWCEIGASRNPCDETYCGPAAESE KETKALADFIRNKLSSIKAYLTIHSYSQMMIYPYSYAYKLGENNAELNALAKATVKELASLHGTYKTYGP GATTIYPAAGGSDDWAYDQGIYSFTFELRDTGRYGFLLPESQIRATCEETFLAIKYVASVYVLEHLY TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	NP_001862
RefSeq Size:	1473
RefSeq ORF:	1251
Synonyms:	CPB; PASP; PCPB
Locus ID:	1360



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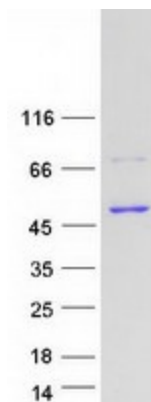
UniProt ID: [P15086](#)

Cytogenetics: 3q24

Summary: Three different procarboxypeptidases A and two different procarboxypeptidases B have been isolated. The B1 and B2 forms differ from each other mainly in isoelectric point. Carboxypeptidase B1 is a highly tissue-specific protein and is a useful serum marker for acute pancreatitis and dysfunction of pancreatic transplants. It is not elevated in pancreatic carcinoma. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protease, Secreted Protein

Product images:



Coomassie blue staining of purified CPB1 protein (Cat# [TP304463]). The protein was produced from HEK293T cells transfected with CPB1 cDNA clone (Cat# [RC204463]) using MegaTran 2.0 (Cat# [TT210002]).