

Product datasheet for PH316317

CCBL1 (KYAT1) (NM_004059) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CCBL1 MS Standard C13 and N15-labeled recombinant protein (NP_004050)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216317
Predicted MW:	47.7 kDa
Protein Sequence:	>RC216317 representing NM_004059 Red=Cloning site Green=Tags(s)

MAKQLQARRLDGIDYNPWVEFVKLASEHDVVNLGQGFDPDFPPDFAVEAFQHAVSGDFMLNQYTKTFGYPLTKILASFFGELLGQEIDPLRNVLVTVGGYGALFTAFQALVDEGDEVIIEPFFDCYEPMTMMAGGRPVFVSLKPGPIQNGELGSSSNWQLDPMELAGKFTSRKALVLNTPNNPLGKVSREELELVASLCQQHVDVVCITDEVYQWMVYDGHQHISIASLPGMWERTLTIGSAGKTF SATGWKVGWVLGPDHIMKHLRTVHQNSVFHCPTQSQA AVAESFEREQLLFRQPSSYFVQFPQAMQRCRDHMIRSLQSVGLKPIIPQGSYFLITDISDFKRKMPDLPGAVDEPYDRRFVKWMIKKNKGLVAIPVSIFYSVPHQKHFHDHYIRFCFKDEATLQAMDEKLRKWKVEL

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:	<u>NP_004050</u>
RefSeq Size:	1925
RefSeq ORF:	1266
Synonyms:	CCBL1; GTK; KAT1; KATI



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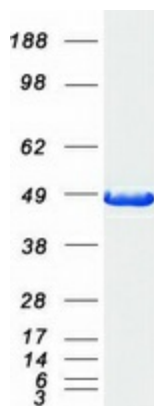
Locus ID: 883

UniProt ID: [Q16773](#), [A8K563](#)

Cytogenetics: 9q34.11

Summary: This gene encodes a cytosolic enzyme that is responsible for the metabolism of cysteine conjugates of certain halogenated alkenes and alkanes. This metabolism can form reactive metabolites leading to nephrotoxicity and neurotoxicity. Increased levels of this enzyme have been linked to schizophrenia. Multiple transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified KYAT1 protein (Cat# [TP316317]). The protein was produced from HEK293T cells transfected with KYAT1 cDNA clone (Cat# [RC216317]) using MegaTran 2.0 (Cat# [TT210002]).