

Product datasheet for PH301711

CMBL (NM_138809) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CMBL MS Standard C13 and N15-labeled recombinant protein (NP_620164)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201711
Predicted MW:	28 kDa
Protein Sequence:	>RC201711 protein sequence Red=Cloning site Green=Tags(s) MANEAYPCPCDIGHRLEYGGLGREVQVEHIKAYVTKSPVDAGKAVIVIQDIFGWQLPNTRYIADMISGNG YTTIVPDFVVGQEPWDPSPGDWSIFPEWLKTRNAQKIDREISAILKYLKQQCHAQKIGIVGFCWGGTAVHH LMMKYSEFRAGVSVYGIKDSEDIYNLKNPTLFI FAENDVVIPLKDVSLLTQKLKEHCKVEYQIKTFSGQ THGFVHRKREDCSPADKPYIDEARRNLEIWLNKYM 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- 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_620164
RefSeq Size:	4047
RefSeq ORF:	735
Synonyms:	JS-1
Locus ID:	134147
UniProt ID:	Q96DG6



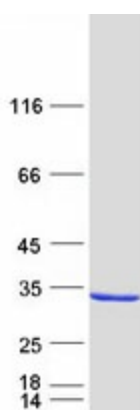
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Cytogenetics: 5p15.2

Summary: CMBL (EC 3.1.1.45) is a cysteine hydrolase of the diene lactone hydrolase family that is highly expressed in liver cytosol. CMBL preferentially cleaves cyclic esters, and it activates medoxomil-ester prodrugs in which the medoxomil moiety is linked to an oxygen atom (Ishizuka et al., 2010 [PubMed 20177059]).[supplied by OMIM, Apr 2010]

Protein Pathways: Metabolic pathways

Product images:



Coomassie blue staining of purified CMBL protein (Cat# [TP301711]). The protein was produced from HEK293T cells transfected with CMBL cDNA clone (Cat# [RC201711]) using MegaTran 2.0 (Cat# [TT210002]).