

Product datasheet for PH305791

CALML3 (NM_005185) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CALML3 MS Standard C13 and N15-labeled recombinant protein (NP_005176)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205791
Predicted MW:	16.9 kDa
Protein Sequence:	>RC205791 protein sequence Red =Cloning site Green =Tags(s) MADQLTEEQVTEFKEAFSLFDKDGDCITTRRELGTVMRSLGQNPTEAELRDMSEIDRDGNGTVDFPEFL GMMARKMKDNTDNEEEIREAFRVFDKDGNGFVSAELRHVMTRLGEKLSDEEVDEMIRAADTDGGQVNYE EFVRVLVSK TR TRPLEQ KL ISEEDLAANDILDYKDDDDKV
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_005176
RefSeq Size:	1417
RefSeq ORF:	447
Synonyms:	CLP
Locus ID:	810
UniProt ID:	P27482



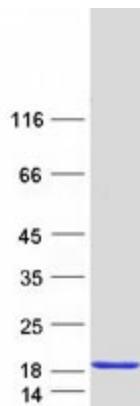
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Cytogenetics: 10p15.1

Summary: May function as a specific light chain of unconventional myosin-10 (MYO10), also enhances MYO10 translation, possibly by acting as a chaperone for the emerging MYO10 heavy chain protein. May compete with calmodulin by binding, with different affinities, to cellular substrates.[UniProtKB/Swiss-Prot Function]

Protein Pathways: Alzheimer's disease, Calcium signaling pathway, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term potentiation, Melanogenesis, Neurotrophin signaling pathway, Olfactory transduction, Oocyte meiosis, Phosphatidylinositol signaling system, Vascular smooth muscle contraction

Product images:



Coomassie blue staining of purified CALML3 protein (Cat# [TP305791]). The protein was produced from HEK293T cells transfected with CALML3 cDNA clone (Cat# [RC205791]) using MegaTran 2.0 (Cat# [TT210002]).