

Product datasheet for PH300331

CALM3 (NM_005184) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CALM3 MS Standard C13 and N15-labeled recombinant protein (NP_005175)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200331
Predicted MW:	16.8 kDa
Protein Sequence:	>RC200331 protein sequence Red =Cloning site Green =Tags(s) MADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDFPEFL TMMARKMKDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADIDGGQVNYE EFVQMTAK 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:	<u>NP_005175</u>
RefSeq Size:	2277
RefSeq ORF:	447
Synonyms:	CALM; CaM; CAM1; CAM2; CAMB; CaMIII; CPVT6; HEL-S-72; LQT16; PHKD; PHKD3
Locus ID:	808
UniProt ID:	<u>P62158</u> , <u>P0DP23</u> , <u>P0DP24</u> , <u>P0DP25</u> , <u>B4DJ51</u> , <u>Q9BRL5</u>



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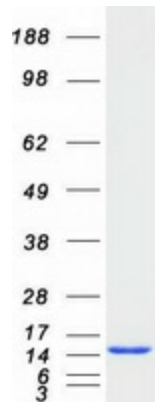
Cytogenetics: 19q13.32

Summary: This gene encodes a member of a family of proteins that binds calcium and functions as a enzymatic co-factor. Activity of this protein is important in the regulation of the cell cycle and cytokinesis. Multiple alternatively spliced transcript variants have been observed at this gene. [provided by RefSeq, Aug 2016]

Protein Families: Druggable Genome

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 CALM3 protein (Cat# [TP300331]). The protein was produced from HEK293T cells transfected with CALM3 cDNA clone (Cat# [RC200331]) using MegaTran 2.0 (Cat# [TT210002]).