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Product datasheet for PH314160

NCALD (NM_001040626) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NCALD MS Standard C13 and N15-labeled recombinant protein (NP_001035716)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214160
Predicted MW:	22.3 kDa
Protein Sequence:	>RC214160 protein sequence Red=Cloning site Green=Tags(s) MGKQNSKLRPEVMQDLLESTDFTEHEIQEWYKGFLRDCPSGHLSMEEFKKIYGNFFPYGDASKFAEHVFR TFDANGDGTIDFREFIIALSVTSRGKLEQKLKWAFSMYDLDGNGYISKAEMLEIVQAIYKMVSSVMKMPE DESTPEKRTEKIFRQMDTNRDGKLSMEEFIRGAKSDPSIVRLLQCDPSSAGQF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	50 ug/ml as determined by BCA
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001035716
RefSeq Size:	3673
RefSeq ORF:	579
Synonyms:	MGC33870; MGC74858
Locus ID:	83988
Cytogenetics:	8q22.3

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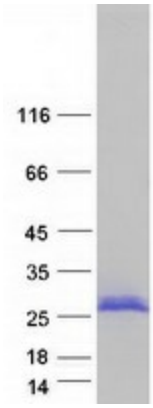
Summary: This gene encodes a member of the neuronal calcium sensor (NCS) family of calcium-binding proteins. The protein contains an N-terminal myristoylation signal and four EF-hand calcium binding loops. The protein is cytosolic at resting calcium levels; however, elevated intracellular calcium levels induce a conformational change that exposes the myristoyl group, resulting in protein association with membranes and partial co-localization with the perinuclear trans-golgi network. The protein is thought to be a regulator of G protein-coupled receptor signal transduction. Several alternatively spliced variants of this gene have been determined, all of which encode the same protein; additional variants may exist but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified NCALD protein (Cat# [TP314160]). The protein was produced from HEK293T cells transfected with NCALD cDNA clone (Cat# [RC214160]) using MegaTran 2.0 (Cat# [TT210002]).