Recombinant Human NCALD Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NCALD-4138H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NCALD MS Standard C13 and N15-labeled recombinant protein (NP_001035716) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	22.3 kDa
AA Sequence	MGKQNSKLRPEVMQDLLESTDFTEHEIQEWYKGFLRDCPSGHLSMEEFKKIYGNFF PYGDASKFAEHVFRTFDANGDGTIDFREFIIALSVTSRGKLEQKLKWAFSMYDLDGN GYISKAEMLEIVQAIYKMVSSVMKMPEDESTPEKRTEKIFRQMDTNRDGKLSMEEFI

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	RGAKSDPSIVRLLQCDPSSAGQFTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NCALD neurocalcin delta [Homo sapiens (human)]
Official Symbol	NCALD
Synonyms	NCALD; neurocalcin delta; neurocalcin-delta; MGC33870; MGC74858;
Gene ID	83988
mRNA Refseq	NM_001040626
Protein Refseq	NP_001035716
MIM	606722
UniProt ID	P61601

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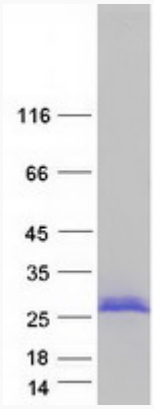
SDS-PAGE	

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