

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

MGKQNSKLRPEVMQDLLESTDFTEHEIQEWYKGFRLRDCPSGHLSMEEFKKIYGNFF
 PYGDASKFAEHVFRFTDANGDGTIDFREFIILSVTSRGKLEQKLLKWFMSMYDLDGN
 GYISKAEMLEIVQAIYKMVSSVMKMPPEDESTPEKRTEKIFRQMDTNRDGLSMEEFI

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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](#)

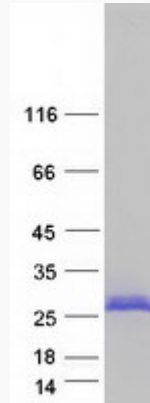
UniProt ID [P61601](#)

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SDS-PAGE



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