

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

Cat. No. NCALD-2494H Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

NCALD MS Standard C13 and N15-labeled recombinant protein (NP\_001035714) 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  
PYGDASKFAEHVFRTFDANGDGTIDFREFIILSVTSRGKLEQKLLKWFMSMYDLDGN  
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\\_001040624](#)

**Protein Refseq** [NP\\_001035714](#)

**MIM** [606722](#)

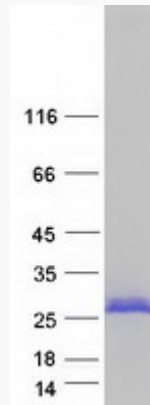
**UniProt ID** [P61601](#)

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**SDS-PAGE**



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