Recombinant Human NCALD Protein, His-tagged

Cat. No. NCALD-252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NCALD protein, fused to His tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
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. [provided by RefSeq, Jul 2008].
Form	20 mM Tris.HCl, 100 mM NaCl, 1 mM DTT, 40 % Glycerol, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	24.4 kDa
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	neurocalcin delta [Homo sapiens]
Official Symbol	NCALD
Synonyms	MGC33870; MGC74858
Gene ID	83988
Protein Refseq	NP_114430

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