

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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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