

Recombinant Human NCALD protein, His & T7-tagged

Cat. No. NCALD-1743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCALD aa. (Gly2~Phe193 (Accession # P61601)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly2~Phe193 (Accession # P61601)
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	5.2

GENE INFORMATION

Gene Name	NCALD neurocalcin delta [Homo sapiens (human)]
Official Symbol	NCALD
Synonyms	NCALD; neurocalcin delta; neurocalcin-delta
Gene ID	83988
mRNA Refseq	NM_001040624.1

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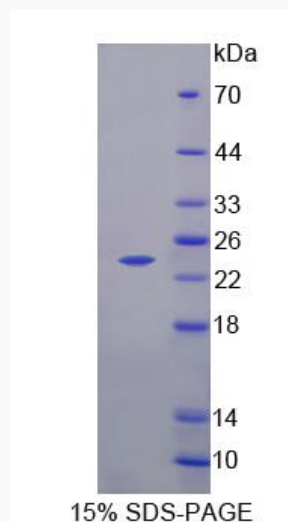
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Protein Refseq NP_001035714.1

UniProt ID P61601

SDS-PAGE



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