

## Recombinant Human NCALD protein, His & T7-tagged

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

### SPECIFICATION

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

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<b>Purity</b>	>90%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.
<b>Isoelectric Point</b>	5.2

## GENE INFORMATION

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

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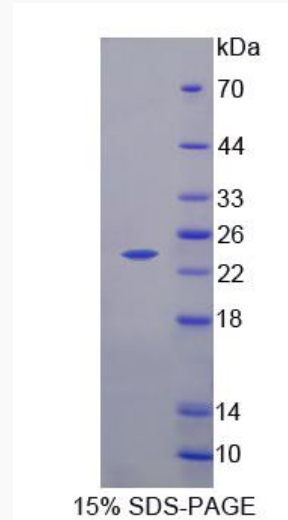
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**Protein Refseq** NP\_001035714.1

**UniProt ID** P61601

**SDS-PAGE**



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