

# Product datasheet for AR09835PU-N

## NCALD (1-193, His-tag) Human Protein

## **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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Product Type:	Recombinant Proteins
Description:	NCALD (1-193, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MGKQNSKLRP EVMQDLLEST DFTEHEIQEW YKGFLRDCPS GHLSMEEFKK IYGNFFPYGD ASKFAEHVFR TFDANGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNGYISKAE MLEIVQAIYK MVSSVMKMPE DESTPEKRTE KIFRQMDTNR DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA GQF
Tag:	His-tag
Predicted MW:	24.4 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NCALD protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 001035714</u>
Locus ID:	83988
UniProt ID:	<u>P61601</u>
Cytogenetics:	8q22.3
Synonyms:	Neurocalcin-delta

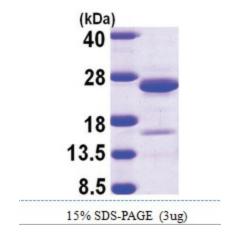


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### Scale (1-193, His-tag) Human Protein – AR09835PU-N

Summary:This gene encodes a member of the neuronal calcium sensor (NCS) family of calcium-binding<br/>proteins. The protein contains an N-terminal myristoylation signal and four EF-hand calcium<br/>binding loops. The protein is cytosolic at resting calcium levels; however, elevated<br/>intracellular calcium levels induce a conformational change that exposes the myristoyl group,<br/>resulting in protein association with membranes and partial co-localization with the<br/>perinuclear trans-golgi network. The protein is thought to be a regulator of G protein-coupled<br/>receptor signal transduction. Several alternatively spliced variants of this gene have been<br/>determined, all of which encode the same protein; additional variants may exist but their<br/>biological validity has not been determined. [provided by RefSeq, Jul 2008]

## **Product images:**



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