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Datasheet for ABIN7318816 NCALD Protein (His tag)

Overview

Quantity:	50 µg
Target:	NCALD
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NCALD protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Neurocalcin-δ/NCALD Protein (His Tag)
Sequence:	Met 1-Phe193
Characteristics:	Recombinant Human Neurocalcin-delta is produced by our E.coli expression system and the target gene encoding Met1-Phe193 is expressed with a 6His tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NCALD
Alternative Name:	Neurocalcin-delta/NCALD (NCALD Products)
Background:	Background: Neurocalcin-delta (NCALD) is a neuronal calcium-binding protein that belongs to the neuronal calcium sensor (NCS) family. It expressed in mammalian brains. NCALD contains an N-terminal myristoylation signal and four EF-hand calcium binding loops. The protein

Target Details

possesses a Ca²⁺ /myristoyl switch. It is cytosolic at resting calcium levels. However, elevated intracellular calcium levels induce a conformational change which exposes the myristoyl group, resulting in protein association with membranes and partial co-localization with the perinuclear trans-golgi network. NCALD protein is thought to be a regulator of G protein-coupled receptor signal transduction.

Synonym: Neurocalcin-Delta, NCALD

Molecular Weight: 24.4 kDa

UniProt: [P61601](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, 40 % Glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.