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Datasheet for ABIN1097218 NCALD Protein (AA 1-193) (His tag)

Overview

Quantity:	50 µg
Target:	NCALD
Protein Characteristics:	AA 1-193
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 (N-6His)
Sequence:	MGSSHHHHHH SSGLVPRGSH MGKQNSKLRP EVMQDLLEST DFTEHEIQEW YKGFLRDCPS GHLSMEEFKK IYGNFFPYGD ASKFAEHVFR TFDANGDGTI DFREFIIALS VTSRGKLEQK LKWAFSMYDL DGNGYISKAE MLEIVQAIYK MVSSVMKMPE DESTPEKRTE KIFRQMDTNR DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA GQF
Characteristics:	Recombinant Human Neurocalcin-D/NCALD is produced by our E. coli expression system. The target protein is expressed with sequence (Gly2-Phe193) of Human NCALD fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	NCALD
Alternative Name:	Neurocalcin-delta (NCALD Products)
Sub Type:	Fusionprotein
Background:	<p>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 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.</p> <p>Alternative Names: Neurocalcin-Delta, NCALD</p>
Molecular Weight:	24.4 kDa
UniProt:	P61601

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, 40 % Glycerol, pH 8.0.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt.

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months