

Recombinant human NCALD protein

Catalog Number: ATGP0895

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-193aa

UniProt No.

P61601

NCBI Accession No.

NP_001035720

Alternative Names

Neurocalcin-delta, MGC33870, MGC74858, Neurocalcin delta

PRODUCT SPECIFICATION

Molecular Weight

24.4 kDa (213aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 100mM NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Neurocalcin-delta, also known NCALD, is a member of the neuronal calcium sensor (NCS) family. NCALD 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. This protein is thought to be a regulator of signal transduction by G protein-coupled receptor. Recombinant human NCALD protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGKQNSKLRP EVMQDLLEST DFTEHEIQEW YKGFLRDCPS GHLSMEEFKK IYGNFFPYGD
ASKFAEHVFR TFDANGDGTI DFREFIALS VTSRGKLEQK LKWAFSMYDL DGNGYISKAE MLEIVQAIYK MVSSVMKMPE
DESTPEKRTE KIFRQMDTNR DGKLSLEEFI RGAKSDPSIV RLLQCDPSSA GQF

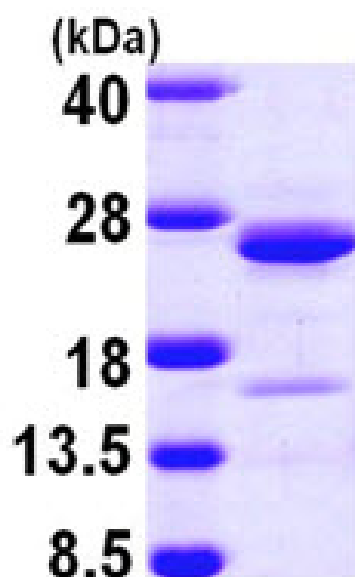
General References

Burqoyne RD., et al. (2007) Nat Rev Neurosci. 8(3):182-93.

Burqoyne RD., et al. (2004) Trends Neurosci. 27(4): 203-9

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)