

Product datasheet for **TP314659M**

NCALD (NM_032041) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human neurocalcin delta (NCALD), transcript variant 8, 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC214659 protein sequence
Red=Cloning site **Green**=Tags(s)

MGKQNSKLRPEVMQDLLESTDFTEHEIQEWYKGLRDCPSGHLMEEFKKIYGNFFPYGDASKFAEHVFR
TFDANGDGTIDFREFIILSVTSRGKLEQKLKWAFSMYDLGNGYISKAEMLEIVQAIYKMVSSVMKMPE
DESTPEKRTEKIFRQMDTNRDGLSMEEFIRGAKSDPSIVRLLQCDPSSAGQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 22.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_114430](#)

Locus ID: 83988

UniProt ID: [P61601](#), [B2RB70](#)

RefSeq Size: 3735



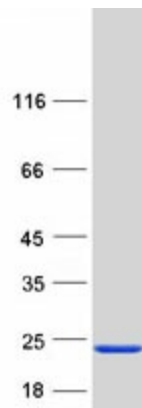
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Cytogenetics: 8q22.3

RefSeq ORF: 579

Summary: 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. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified NCALD protein (Cat# [TP314659]). The protein was produced from HEK293T cells transfected with NCALD cDNA clone (Cat# [RC214659]) using MegaTran 2.0 (Cat# [TT210002]).