

## Product datasheet for **RG214659**

### NCALD (NM\_032041) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NCALD (NM\_032041) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** NCALD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG214659 representing NM\_032041  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGATCGCC

ATGGGGAAACAGAACAGCAAGCTGCGCCCGGAGGTCATGCAGGACTTGCTGGAAAGCACAGACTTTACAG  
 AGCATGAGATCCAGGAATGGTATAAAGGCTTCTTGAGAGACTGCCCCAGTGGACATTTGTCAATGGAAGA  
 GTTTAAGAAAATATATGGGAACTTTTCCCTTATGGGGATGCTTCCAAATTTGCAGAGCATGTCTCCGC  
 ACCTTCGATGCAAATGGAGATGGGACAATAGACTTTAGAGAATTCATCATCGCCTTGAGTGAACCTCGA  
 GGGGGAAGCTGGAGCAGAAGCTGAAATGGGCCTCAGCATGTACGACCTGGACGAAATGGCTATATCAG  
 CAAGGCAGAGATGCTAGAGATCGTGCAGGCAATCTATAAGATGGTTTCCTCTGTAATGAAAATGCCTGAA  
 GATGAGTCAACCCAGAGAAAAGAACAGAAAAGATCTTCCGCCAGATGGACACCAATAGAGACGGAAAAC  
 TCTCCATGGAAGAGTTCATCCGAGGAGCCAAAAGCGACCCGTCATTGTGCGCCTCTGCAGTGCAGCC  
 GAGCAGTGCCGGCCAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG214659 representing NM\_032041  
Red=Cloning site Green=Tags(s)

MGKQNSKLRPEVMQDLLESTDFTEHEIQEWYKGFRLRDCPSGHLSMEEFKKIYGNFFPYGDASKFAEHVFR  
 TFDANGDGTIDFREFIIALSVTSRGKLEQKLKWFMSYDLGNGYISKAEMLEIVQAIYKVMSSVMKMP  
 DESTPEKRTEKIFRQMDTNRDGKLSMEEFIRGAKSDPSIVRLLQCDPSSAGQF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



[View online »](#)

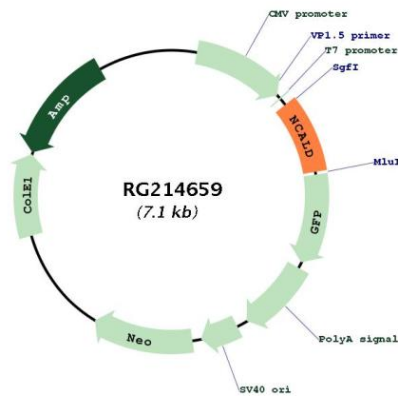


**Cytogenetics:** 8q22.3

**Domains:** EFh

**Gene 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:**



Circular map for RG214659