

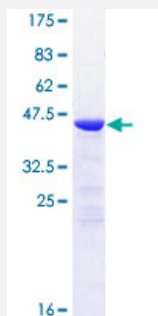
Full-Length

NCALD (Human) Recombinant Protein (P01)

Catalog # H00083988-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NCALD full-length ORF (NP_001035714.1, 1 a.a. - 193 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGKQNSKLRPEVMQDLLESTDFTEHEIQEWYKGFLRDCPSGHLSMEEFKKIYGNFFPYGDASKFAEHVFRTFDANGDGTIDFREFIALSVTSRGKLEQKLKWAFSMYDLDGNGYISKAEMLEVMQAIYKMVSSVMKMPEDSTPEKRTEKIFRQMDTNRDGKLSLEEFIRGAKSDPSIVRLQLQCDPSSAGQF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	48.6
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NCALD

Entrez GeneID [83988](#)

GeneBank Accession# [NM_001040624.1](#)

Protein Accession# [NP_001035714.1](#)

Gene Name NCALD

Gene Alias MGC33870, MGC74858

Gene Description neurocalcin delta

Omim ID [606722](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations -

Disease

- [Diabetes Mellitus](#)
- [Diabetic Neuropathies](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)