Human NCALD Protein

Catalog #  NCD-H5143
For Research Use Only

## Description

**Source**
Human NCALD Protein (Human NCALD, His Tag) Gly 2 - Phe 193 (Accession # AAH63428) was produced in E.coli cells at ACROBiosystems.

**Predicted N-terminus**
Met

**Molecular Characterization**
Human NCALD, His Tag is fused with a polyhistidine tag at the N-terminus, and has a calculated MW of 23.1 kDa. The predicted N-terminus is Met. DTT-reduced Protein migrates as 23 kDa in SDS-PAGE.

**Endotoxin**
Less than 1.0 EU per μg of the Human NCALD, His Tag by the LAL method.

**Purity**
>95% as determined by SDS-PAGE.

### Formulation and Storage

**Formulation**
Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose are added as protectants before lyophilization.

Contact us for customized product form or formulation.

**Reconstitution**
See Certificate of Analysis for reconstitution instructions and specific concentrations.

**Storage**
Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.

Avoid repeated freeze-thaw cycles.

No activity loss was observed after storage at:
- 4-8°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

### Background

Neurocalcin-delta (NCALD) is a member of the recoverin family, which contains four EF-hand domains. Neurocalcin is a neuronal calcium-binding protein that belongs to the neuronal calcium sensor (NCS) family of proteins. Neurocalcin is expressed in mammalian brains and possesses a Ca2+/myristoyl switch. As for NCALD, it may be involved in the calcium-dependent regulation of rhodopsin phosphorylation. NCALD binds three calcium ions.

Please contact us at TechSupport@acrobiosystems.com, if you have any questions about this product.

### References

The purity of Human NCALD, His Tag was determined by DTT-reduced (+) SDS-PAGE and staining overnight with Coomassie Blue.