

Recombinant Human NCALD protein, His-tagged

Cat. No. NCALD-325H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCALD protein (Gly2-Phe193), fused to His tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	192
Description	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 Ca ²⁺ /myristoyl switch. As for NCALD, it may be involved in the calcium-dependent regulation of rhodopsin phosphorylation. NCALD binds three calcium ions.
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 23.1 kDa. The protein migrates as 23 kDa under reducing (R) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per ug by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- 20 centigrade to -70 centigrade for 12 months in lyophilized state;
- 70 centigrade for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

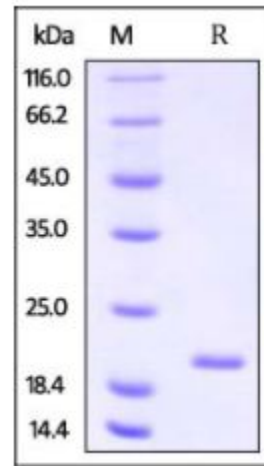
Gene Name	NCALD
Official Symbol	NCALD
Synonyms	NCALD; neurocalcin delta; neurocalcin-delta; MGC33870; MGC74858
Gene ID	83988
mRNA Refseq	NM_001040624
Protein Refseq	NP_001035714
MIM	606722
UniProt ID	P61601

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**SDS-PAGE of
NCALD-325H**



Human NCALD, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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