

Recombinant Human NCALD 293 Cell Lysate

Cat. No. NCALD-3955HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for neurocalcin delta (NCALD), transcript variant 8 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NCALD neurocalcin delta [Homo sapiens]

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

**Chromosome
Location**

8q22-q23

Pathway

Activation of Ca-permeable Kainate Receptor, organism-specific biosystem;
Activation of Kainate Receptors upon glutamate binding, organism-specific
biosystem; Ionotropic activity of Kainate Receptors, organism-specific biosystem;
Neuronal System, organism-specific biosystem; Neurotransmitter Receptor Binding
And Downstream Transmission In The Postsynaptic Cell, organism-specific
biosystem; Transmission across Chemical Synapses, organism-specific biosystem;

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Function

actin binding; calcium ion binding; clathrin binding; tubulin binding;

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