

## Recombinant Human Neurocalcin-δ/NCALD Protein (His Tag)

**Catalog Number: PKSH032796**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

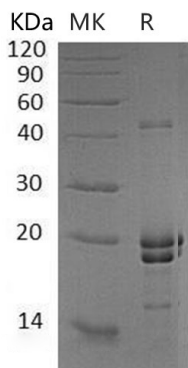
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human Neurocalcin-δ;NCALD protein Met 1-Phe193, with an N-terminal His
<b>Calculated MW</b>	24.4 kDa
<b>Observed MW</b>	20 kDa
<b>Accession</b>	P61601
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 40% Glycerol, pH 8.0.

### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

Neurocalcin-delta (NCALD) is a neuronal calcium-binding protein that belongs to the neuronal calcium sensor (NCS) family. It expressed in mammalian brains. NCALD contains an N-terminal myristoylation signal and four EF-hand calcium binding loops. The protein possesses a Ca<sup>2+</sup>/myristoyl switch. It is cytosolic at resting calcium levels. However, elevated intracellular calcium levels induce a conformational change which exposes the myristoyl group, resulting in protein association with membranes and partial co-localization with the perinuclear trans-golgi network. NCALD protein is thought to be a regulator of G protein-coupled receptor signal transduction.