

## 32-7217: Recombinant Human Neurocalcin-d/NCALD (N-6His)

**Gene :** NCALD  
**Gene ID :** 83988  
**Uniprot ID :** P61601

### Description

Source: E.coli.  
MW :24.4kD.

Recombinant Human Neurocalcin-delta is produced by our E.coli expression system and the target gene encoding Met1-Phe193 is expressed with a 6His tag at the N-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 40% Glycerol, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMGKQNSKLRPEVMQDLESTDFTEHEIQEWYKGFRLDCPSGHLSMEEFKKIYGNFFPYGDASKFAEHVFRFTFDANGDGTIDFREFIALSVTSRGKLEQKWKWAFSMYDLGNGYISKAEMLEIVQAIYKMOVSSVMKMPPEDESTPEKRTEKIFRQMDTNRDGKLSLEEFIRGAKSDPSIVRLLQCDPSSAGQF

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.