

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 Ca²⁺ /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 : MGSSHHHHHHSSGLVPRGSHMGKQNSKLRPEVMQDLLESTDFTEHEIQEWYKGFLRDCPSGHLSEEFKKIY
GNFFPYGDASKFAEHVFRFTFDANGDGTIDFREIIASVTSRGKLEQKLKWAFSMYDLGNGYISKAEMLEIVQA
IYKMVSSVMKMPDESTPEKRTEKIFRQMDTNRDGKLSLEEFIRGAKSDPSIVRLLQCDPSSAGQF

Application Note

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