

## 32-4290: Recombinant Human Neurocalcin Delta

**Alternative Name :** Rocalcin Delta, MGC33870, MGC74858, Neurocalcin-Delta.

### Description

Source : Escherichia Coli. NCALD produced in E.Coli is a single, non-glycosylated polypeptide chain containing 213 amino acids (1-193.a.a) and having a molecular mass of 24.4kDa. NCALD is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NCALD belongs to the neuronal calcium sensor (NCS) family. NCALD is cytosolic at inactive calcium levels; but, high intracellular calcium levels induce a conformational transformation which exposes the myristoyl group, causing protein association with membranes and partial co-localization with the perinuclear trans-golgi network. NCALD protein is a regulator of signal transduction by G protein-coupled receptor.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg   |
| <b>Purification :</b>      | Greater than 90% as determined by SDS-PAGE.   |
| <b>Content :</b>           | The NCALD protein solution (0.5mg/1ml) is formulated in 20 mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 40% glycerol.  |
| <b>Storage condition :</b> | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.                          |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSGLVPRGSH MGKQNSKLRP EVMQDLLEST DFTEHEIQEW YKGFLRDCPS<br>GHLSMEEFKK IYGNFFPYGD ASKFAEHVFR TFDANGDGTI DFREFIALS VTSRGKLEQK LKWAFSMYDL<br>DGNGYISKAE MLEIVQAIYK MVSSVMKMPE DESTPEKRTE KIFRQMDTNR DGKLSLEEFI RGAKSDPSIV<br>RLLQCDPSSA GQF. |