

NCALD Protein, Human, Recombinant (His)

General Information

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| Synonyms: | Neurocalcin- δ ;Neurocalcin-Delta;NCALD |
| Protein Construction: | Met1-Phe193 |
| Species: | Human |
| Expression Host: | E. coli |
| Accession: | P61601 |
| Molecular Weight: | 20 KDa (reducing condition) |
| AA Sequence: | Met1-Phe193 |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Endotoxin: | < 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. |
| Formulation: | Supplied as a 0.2 μ m filtered solution of 20 mM Tris-HCl, 100 mM NaCl, 1 mM DTT, 40% Glycerol, pH 8.0. |

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Shipping:

Shipping with blue ice.

Protein 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 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.

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