



Recombinant Protein Technical Manual
Recombinant Human Neurocalcin- δ /NCALD Protein
(His Tag)
RPES0259

Product Data:

Product SKU: RPES0259

Size: 10 μ g

Species: Human

Expression host: E. coli

Uniprot: P61601

Protein Information:

Molecular Mass: 24.4 kDa

AP Molecular Mass: 20 kDa

Tag: N-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: 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.

Formulation: Supplied as a 0.2 μ m filtered solution of 20mM TrisHCl, 100mM NaCl, 1mM DTT, 40% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Neurocalcin-Delta; NCALD

Immunogen Information:

Sequence: Met 1-Phe193

Background:

Neurocalcin-delta (NCALD) is a neuronal calcium-binding protein that belongs to the neuronal calcium sensor (NCS) family. It is 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.