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AR50495PU-N Human NOL3 / ARC (1-208, His-tag) - Purified

Alternate names: Apoptosis repressor with CARD, Muscle-enriched cytoplasmic protein, Myp, NOP, Nop30, Nucleolar protein 3, Nucleolar protein of 30 kDa

Quantity: 0.5 mg

Concentration: 1 mg/ml (determined by Bradford assay)

Background: Nucleolar protein 3 (apoptosis repressor with CARD domain), also known as NOL3, is predominantly expressed in muscle and is present in the nucleoplasm and concentrated in nucleoli. NOL3 mRNA and protein levels are induced by neuronal activity, which is necessary to stimulate neuroplasticity, indicating a potential role for NOL3 in activity-dependent changes in dendrite function. NOL3 has been shown to localize to the cytoskeleton of neuronal cells and appears to colocalize with F-Actin, although it may associate with an actin-associated protein rather than directly with F-Actin.

Uniprot ID: O60936-2

NCBI: NP_001171987.1

GeneID: 8996

Species: Human

Source: E. coli

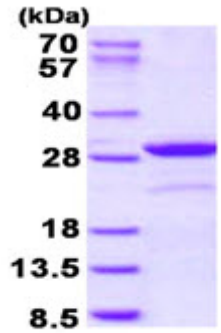
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol,1mM DTT, 1mM EDTA

Description: Recombinant human NOL3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMGNAQER PSETIDRERK RLVETLQADS GLLLDALLAR GVLTGPEYEA LDALPDAERR VRRLLLLVQG KGEAACQELL RCAQRTAGAP DPAWDWQHVG PGYRDRSYDP PCPGHWTPEA PGSGTTCPGL PRASDPDEAG GPEGSEAVQS GTPEEPEPEL EAEASKEAEP EPEPEPELEP EAEAEPEPEL EPEPDPEPEP DFEERDESED S
Molecular weight: 25 kDa (231aa), confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Lau L F., et al. (1991) Elseveier Science Pub. 257-293Greenberg M E., et al. (1986) Science. 234: 80-83.

Pictures:



15% SDS-PAGE (3ug)