Recombinant Human NOL3 Protein

Catalog Number: PKSH032827



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Nucleolar Protein 3;Apoptosis Repressor With CARD;Muscle-Enriched

Cytoplasmic Protein; Myp; Nucleolar Protein of 30 kDa; Nop30

SpeciesHumanExpression HostE.coli

SequenceMet 1-Ser208AccessionO60936Calculated Molecular Weight22.6 kDaObserved molecular weight29 kDaTagNone

Properties

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

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Store at $< -20^{\circ}$ 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

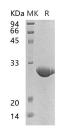
ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Formulation Supplied as a 0.2 µm filtered solution of 20mM PB, 150mm NaCl, 1mM DTT,

1mM EDTA, 10% Glycerol, pH7.0.

Reconstitution Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Nucleolar protein 3 is encoded by NOL3 gene. Multiple transcript variants encoding different isoforms have been found for this gene. So far; Nucleolar protein 3 has show to have two Isoforms. Isoform 1 may be involved in RNA splicing. Isoform 2 functions as an apoptosis repressor that blocks multiple modes of cell death. It inhibits extrinsic apoptotic pathways through two different ways. Firstly; it by interacting with FAS and FADD upon FAS activation blocking death-inducing signaling complex (DISC) assembly. Secondly by interacting with CASP8 in a mitochondria localization- and phosphorylation-dependent manner; limiting the amount of soluble CASP8 available for DISC-mediated activation. It has been shown to down-regulate the enzyme activities of caspase 2; caspase 8 and tumor protein p53.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com Email: techsupport@elabscience.com