Recombinant Human NOL3 Protein

Catalog Number:PKSH032827

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

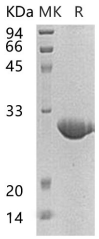
Description

Synonyms	Nucleolar Protein 3;Apoptosis Repressor With CARD;Muscle-Enriched Cytoplasmic Protein;Myp;Nucleolar Protein of 30 kDa;Nop30
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ser208
Accession	O60936
Calculated Molecular Weight	22.6 kDa
Observed molecular weight	29 kDa
Tag	None

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°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.

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