

TRIM21 Human

Description: TRIM21 Human Recombinant produced in SF9 is a glycosylated, polypeptide chain having a calculated molecular mass of 54,922 Dalton. TRIM21 is expressed with a -6x His tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-335

For research use only.

Synonyms: 52 kDa Ro protein, Sjogren syndrome type A antigen, SS-A, Ro(SS-A), 52 kDa ribonucleoprotein autoantigen Ro/SS-A, Tripartite motif-containing protein 21, RING finger protein 81, TRIM21, RNF81, RO52, SSA1, SSA, RO-52.

Source: Sf9 insect cells.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

TRIM21 is supplied in 20mM HEPES pH-7.5, 0.01mM EDTA and 0.02% SDS.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

Western blot with: a) SLE sera (secondary Sjogrens syndrome). b) Monoclonal anti-hexa-His-tag antibody.

Introduction:

TRIM21 is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The 52 kDa Ro protein is part of the RoSSA ribonucleoprotein, which includes a single polypeptide and one of four small RNA molecules. The RoSSA particle localizes to both the cytoplasm and the nucleus. Ro/SSA interacts with autoantigens in patients with Sjogren syndrome and systemic lupus erythematosus. Ribonucleoprotein particle is composed of a single polypeptide and one of four small RNA molecules. The RoSSA is present in all mammalian cells studied but has no known function. At least 2 isoforms are present in nucleated and red blood cells, and tissue specific differences in Ro/SSA proteins were identified.

References:

1. Title: graft-versus-host disease Recovery of B-cell homeostasis after rituximab in chronic. Publication: doi:10.1182/blood-2010-10-307819 Prepublished online November 19, 2010;2011 117: 2275-2283. Link: <http://bloodjournal.hematologylibrary.org/content/117/7/2275.full.pdf+html>

Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

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