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California Bioscience

Product Datasheet

Product Name	RO-52 (SS-A) Human Recombinant
Cata No	CB500949
Source	*Escherichia Coli.*
Synonyms	52 kDa Ro protein, Sjoegren 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.

Description

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.
RO-52 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain having a molecular mass of 52kDa.
The RO-52 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Purity

Greater than 90.0% as determined by both:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE.

Formulation

The protein solution contains 6M Urea, 500mM NaCl and 10mM Tris pH8.0.

Stability

Lyophilized RO-52 although stable at 4℃ for 3 weeks, should be stored desiccated below -18℃.
Please prevent freeze-thaw cycles.

Sequence

MASAARLTMMWEEVTCPICLDPFVEPVSIECGHS
FCQECISQVGKGG
GSVCAVCRQRFLLKNLRPNRQLANMVNNLKEISQ
EAREGTQGERCA
VHGERLHLFCEKDGKALCWVCAQSRKHRDHAM
VPLEEAAQEYQEKL
QVALGELRRKQELAEKLEVEIAIKRADWKKTVETQ
KSRIHAEFVQQKNF
LVEEEQRQLQELEKDEREQLRILGEKEAKLAQQS
QALQELISELDRRC
HSSALELLQEVIIVLERSESWNLKDLDITSPELRSV
CHVPGLKKMLRTC
AVHITLDPDTANPWLILSEDRRQVRLGDTQQSIPG
NEERFDSYPMVLG
AQHFHSGKHYWEVDVTGKEAWDLGVCRDSVRR
KGHFLLSSKSGFWT
IWLWNKQKYEAGTYPQTPLHLQVPPCQVGIFLDY
EAGMVSFYNITDHGS
LIYSFSECAFTGPLRPFFSPGFNDGGKNTAPLTLC
PLNIGSQGSTDY

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