

LA / SS-B Recombinant Protein | LA/SS-B recombinant protein

Recombinant Human LA / SS-B

CATALOG #
AAA38431

PRODUCT SYNONYMS

LA / SS-B; Recombinant Human LA / SS-B; LA/SS-B Human; LA / SS-B Human Recombinant; Lupus La protein; Sjogren syndrome type B antigen; SS-B; La ribonucleoprotein; La autoantigen; SSB; La; LARP3; LA/SS-B; La(SS-B); LA/SS-B recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The protein solution (0.94mg/ml) contains 20mM HEPES, pH 7.5, 400mM NaCl, 20% Glycerol
Sequence Length	408
Source	Sf9 insect cells
Physical Appearance	Sterile filtered clear solution
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for LA/SS-B recombinant protein	Description: LA/SS-B Human Recombinant produced in SF9 is a single, glycosylated, polypeptide chain having a calculated molecular mass of 52 kDa, is fused to a hexahistidine purification tag. The LA/SS-B is purified by proprietary chromatographic techniques. Introduction: The La protein is a 47 kDa polypeptide that frequently acts as an autoantigen in systemic lupus erythematosus and Sjogren's syndrome patients. La is involved in various aspects of RNA metabolism, including binding and protecting 3-prime UUU(OH) elements of newly RNA polymerase III - transcribed RNA, processing 5-prime and 3-prime ends of pre-tRNA precursors, acting as an RNA chaperone, and binding viral RNAs linked to hepatitis C virus. It occurs in both the nucleus and the cytoplasm, where it assumes different roles. In the nucleus, La protein facilitates the production of tRNAs, acting as an RNA polymerase III (RNAP III) transcription factor by attaching to the U-rich 3'UTR of nascent transcripts, aiding in their folding and maturation. In the cytoplasm, La protein facilitates the translation of specific mRNAs, acting as a translation factor. As an RNA binding protein (RBP), La protein associates with subsets of mRNAs which contain a 5'-terminal oligopyrimidine (5'TOP) motif known to direct protein synthesis. The binding of La protein to particular classes of RNA molecules regulates their downstream processing, guards them from endonuclease digestion, and organizes their export from the nucleus. La/SS-B appears to be readily disposed to proteolysis, which results in many smaller (42kD, 320, and 270) nevertheless still immunoreactive polypeptides. La/SS-B antigen is strongly conserved across species. Anti-La/SS-B autoantibodies were originally found as precipitating autoantibodies in sera of Sjogren's Syndrome patients and referred to as SjT. Anti-La/SS-B precipitins are most frequently found in Sjogren's Syndrome, Systemic Lupus Erythematosus (SLE) and Subacute Cutaneous Lupus. Also, there seems to be a correlation between anti-La/SS-B and the absence of nephritis in SLE patients.
Product Categories/Family for LA/SS-B recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	659667952
NCBI GeneID	6741

NCBI Accession #	NP_001281074.1
NCBI GenBank Nucleotide #	NM_001294145.1
UniProt Accession #	P05455 ; Q15367 ; Q53XJ4
Molecular Weight	46,837 Da
NCBI Official Full Name	lupus La protein
NCBI Official Synonym Full Names	Sjogren syndrome antigen B (autoantigen La)
NCBI Official Symbol	SSB
NCBI Official Synonym Symbols	La; LARP3; La/SSB
NCBI Protein Information	lupus La protein; La ribonucleoprotein domain family, member 3; SS-B; SS-B/La protein; autoantigen La; la autoantigen; lupus La antigen; sjogren syndrome type B antigen
UniProt Protein Name	Lupus La protein
UniProt Gene Name	SSB
UniProt Synonym Gene Names	SS-B
UniProt Entry Name	LA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ssb-recombinant-protein/38431>