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SSB Recombinant Human Sjogren Syndrome antigen B His

Catalog No. Alternate Names:	CSI12833 CSI12834 CSI12835 Lupus La protein, Sjoegren s autoantigen, SSB, La, LARP		5 μg 20 μg 1.0 mg S-B, La ribonucleoprotein, La
Description:	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 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.		
Gene ID:	6741		
Source:	Sf9 insect cells		
Molecular Weight:	47.6 kDa		
Formulation:	Sterile Filtered liquid contain	ing 20 mM HEPES, pH 7.5	+ 400 mM NaCl + 20% Glycerol.



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Purity:	>95% by SDS-PAGE
Endotoxin Level:	< 0.1 ng/µg of protein
Coating Concentration:	0.6-1.1 μ g/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.
Storage & Stability:	Store at 2-4°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.
Applications:	 Binds IgG-type human auto-antibodies. Standard ELISA test (checkerboard analysis of positive/negative sera panels, immuno- dot test). Coating Concentration of 0.6-1.1 μg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

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