

SSB Protein, Human (sf9, His)

Cat. No.:	HY-P73629
Synonyms:	Lupus La protein; Sjogren syndrome type B antigen; SS-B
Species:	Human
Source:	Sf9 insect cells
Accession:	P05455 (M1-Q408)
Gene ID:	6741
Molecular Weight:	Approximately 49.2 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, pH 7.5, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The SSB protein plays a crucial role by binding to the 3' poly(U) terminus of nascent RNA polymerase III transcripts, providing protection against exonuclease digestion and facilitating their proper folding and maturation, as evidenced by various studies. Additionally, in the context of Coxsackievirus B3 infection, SSB binds to the viral internal ribosome entry site (IRES), thereby stimulating IRES-mediated translation. The protein further engages in interactions with DDX15 and may potentially interact with RUFY1, indicating its involvement in diverse cellular processes and highlighting its multifunctional nature.
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Caution: Product has not been fully validated for medical applications. For research use only.

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