

SSB Protein, Human

Cat. No.:	HY-P73630A
Synonyms:	Lupus La protein; Sjogren syndrome type B antigen; SS-B
Species:	Human
Source:	E. coli
Accession:	P05455 (M1-Q408)
Gene ID:	6741
Molecular Weight:	Approximately 50 kDa

PROPERTIES

AA Sequence	MAENG DNEKM AALEAKICHQ IEYYFGDFNL PRDKFLKEQI KLDEGWVPLE IMIKFNRLNR LTTDFNVIVE ALSKSKAELM EISEDKTKIR RSPSKPLPEV TDEYKNDVKN RSVYIKGFPT DATLDDIKEW LEDKGQVLNI QMRRTLHKAF KGSIFVVFDS IESAKKFVET PGQKYKETDL LILFKDDYFA KKNEERKQNK VEAKLRAKQE QEAKQKLEED AEMKSLEEKI GCLLKFSGDL DDQTCREDLH ILFSNHGEIK WIDFVRGAKE GIILFKEKAK EALGKAKDAN NGNLQLRNKE VTWEVLEGEV EKEALKKIIIE DQQESLNKWK SKGRRFKGKG KGNKAAQPGS GKGKVQFQ GK KTKFASDDEH DEHDENGATG PVKRAREETD KEEPA SKQQK TENGA GDQ
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.2 µm filtered solution of PBS, 300 mM NaCl, pH 7.4.
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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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.

Caution: Product has not been fully validated for medical applications. For research use only.

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