

Recombinant Streptococcus Pyogenes SPEB Protein (146-398 aa), His-SUMO-tagged

Cat. No. SPEB-2163S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Streptococcus Pyogenes SPEB Protein (146-398 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Microbiology. Protein Description: Full Length of Mature Protein.
Species	Streptococcus Pyogenes
Source	E.coli
ProteinLength	146-398 aa
Description	Important streptococcal virulence factor which cleaves human fibronectin and degrades vitronectin. Also cleaves human IL1B precursor to form biologically active IL1B. Can induce apoptosis in human monocytes and epithelial cells in vitro, and reduces phagocytic activity in monocytic cells. Thus, may play a role in bacterial colonization, invasion, and inhibition of wound healing.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	43.6 kDa
AA Sequence	QPVVKSLLDSKGIHYNQGNPYNLLTPVIEKVKPGEQSFVGQHAATGCVATATAQIMK YHNYPNKGKLDYTYTLSSNNPYFNHPKNLFAAISTRQYNWNNILPTYSGRESNVQK MAISELMADVGISVDMDYGPSSGSAGSSRVQRALKENFGYNQSVHQNRSDFSKQD

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	WEAQIDKELSQLNPVYYQGVGKVGGHAFVIDGADGRNFYHVNWGWGGVSDGFFR LDALNPSALGTGGGAGGFNGYQSAVVGIKP
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

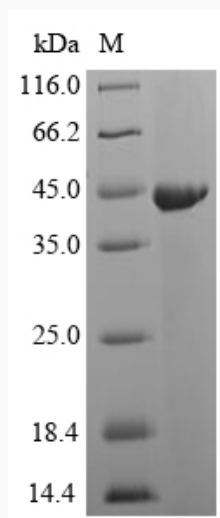
GENE INFORMATION

Gene Name	speB pyrogenic exotoxin B [Streptococcus pyogenes M1 GAS]
Official Symbol	SPEB
Synonyms	speB;
Gene ID	901690
UniProt ID	P0C0J0

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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