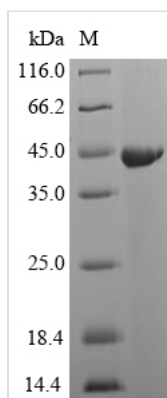




Recombinant Streptococcus pyogenes Streptopain (speB)

Product Code	CSB-EP314886SMR
Relevance	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
Abbreviation	Recombinant Streptococcus pyogenes speB protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P0C0J0
Alias	Exotoxin type B SPE B Streptococcal cysteine proteinase Streptococcus peptidase A Short name: SPP
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	QPVVKSLLDSKGIHYNQGNPYNLLTPVIEKVKPGEQSFVGQHAATGCVATATA QIMKYHNYPNKGDKDYTYTLSSNNPYFNHPKNLFAAISTRQYNWNNILPTYSG RESNVQKMAISELMADVGISVDMDYGPSSGSAGSSSRVQRALKENFGYNQSVH QINRSDFSKQDWEAQIDKELSQNQPVEYYQGVGKVGGHAFVIDGADGRNIFYHV NWGWGGVSDGFFRLDALNPSALGTGGGAGGFNGYQSAVVGIKP
Research Area	Microbiology
Source	E.coli
Target Names	speB
Protein Names	Recommended name: Streptopain EC= 3.4.22.10 Alternative name(s): Exotoxin type B SPE B Streptococcal cysteine proteinase Streptococcus peptidase A Short name= SPP
Expression Region	146-398aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	43.6kDa
Protein Length	Full Length of Mature Protein
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.