

SPI-1 type 3 secretion system translocon protein SctE (sctE1) Recombinant Protein | sctE1 recombinant protein

Recombinant Salmonella typhimurium SPI-1 type 3 secretion system translocon protein SctE (sctE1), partial

CATALOG # AAA279401	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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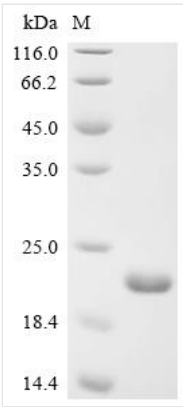
PRODUCT SYNONYMS

SPI-1 type 3 secretion system translocon protein SctE (sctE1); Recombinant Salmonella typhimurium SPI-1 type 3 secretion system translocon protein SctE (sctE1); partial; Effector protein SipB; sctE1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Form/Format	Liquid or Lyophilized powder If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.
Sequence	SEGQLTLLG KLMTLLGDVS LSQLESRLAV WQAMIESQKE MGIQVSKEFQ TALGEAQEAT DLYEASIKKT DTAKSVYDAA TKKLTQAQNK LQSLDPADPG YAQAEAAVEQ AGKEATEAKE ALDKATDATV KAGTDAKAKA EKADNILTKF QGTANAA
Sequence Length	81-237aa; Partial
Species	Salmonella typhimurium (strain LT2 / SGSC1412 / ATCC 700720)
Tag	Tag-Free
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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for sctE1 recombinant protein	Required for entry into the host cell through presentation or delivery of SipC at the host cell plasma membrane. Along with SipC, is necessary for the transfer of other effector proteins into the host cell. Induces macrophage apoptosis either by binding and activating the proapoptotic enzyme caspase-1 (caspase-1 dependent), resulting in the release of interleukin-1 beta active form, or by disrupting mitochondria and inducing autophagy (caspase-1 independent). The former is dependent of its membrane-fusion activity. The SipBC complex, in association with its chaperone SicA, is regulated by binding of InvE.
Product Categories/Family for sctE1 recombinant protein	Others

NCBI AND UNIPROT INFORMATION

NCBI GI #	16766191
NCBI GeneID	1254408
NCBI Accession #	NP_461806.1
NCBI GenBank Nucleotide #	NC_003197.1
UniProt Accession #	Q56019; Q56024; Q7CPX0
Molecular Weight	62,451 Da
NCBI Official Full Name	cell invasion protein SipB
NCBI Official Symbol	sipB
NCBI Protein Information	cell invasion protein SipB
UniProt Protein Name	Cell invasion protein SipB
UniProt Gene Name	sipB
UniProt Synonym Gene Names	sspB
UniProt Entry Name	SIPB_SALTY

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.