Guanine Nucleotide Exchange Factor Sope (sopE) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Guanine nucleotide exchange factor sopE (sopE), Recombinant Protein
Full Product Name	Recombinant Guanine nucleotide exchange factor sopE (sopE)
Product Gene Name	sopE recombinant protein
Product Synonym Names	Guanine nucleotide exchange factor sopE; Effector protein sopE; Toxin sopE
Sequence	TKITLFPHN FRIQKQETTP LKEKSTEKNS LAKSILAVKN HFIKLNSKLS ERFISHKNTE SSATHFHRGS ASEGRAVLTN KVVKNFMLQT LHDIDIRGSA SKDPAYASQT REAILSAVYS KYKDQYCNLL ISKGIDIAPF LKEIGEAAQN AGLPGATKND VFTPSGAGAN PFITPLITSA YSKYPHMFTS QHQKASFNIY AEKIIMTEVV PLFNECAMPT PQQFQQILEN IANKYIQNAP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	26,752 Da
Sequence Positions	2-240aa; full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8VPM1
Species	Salmonella hadar
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sopE recombinant protein	MBS1349227 is a recombinant protein targeting sopE. Also known as Recombinant Guanine nucleotide exchange factor sopE (sopE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sopE recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for sopE. It may not necessarily be applicable to this product.

NCBI GI #	62511071
NCBI Accession #	Q8VPM1.3
UniProt Primary Accession #	Q8VPM1
NCBI Official Full Name	Guanine nucleotide exchange factor SopE
UniProt Protein Name	Guanine nucleotide exchange factor SopE

UniProt Synonym Protein Names	Effector protein SopE; Toxin SopE
Protein Family	Guanine nucleotide exchange factor
UniProt Gene Name	sopE
UniProt Entry Name	SOPE_SALHA
UniProt Comments for sopE	Activator for both CDC42 and RAC1 by directly engaging these Rho GTPases and acting as potent guanine nucleotide exchange factor (GEF). This activation results in actin cytoskeleton rearrangements and stimulates membrane ruffling, promoting bacterial entry into non-phagocytic cells ().
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