Probable ATP Synthase Spal (spaL) Salmonella Typhi Recombinant Protein

PRODUCT OVERVIEW

Product Name	Probable ATP synthase SpaL (spaL), Recombinant Protein
Full Product Name	Recombinant Salmonella typhi Probable ATP synthase SpaL (spaL)
Product Gene Name	spaL recombinant protein
Sequence	MKTPRLLQYL AYPQKITGPI IEAELRDVAI GELCEIRRGW HQKQVVARAQ VVGLQRERTV LSLIGNAQGL SRDVVLYPTG RALSAWVGYS VLGAVLDPTG KIVERFTPEV APISEERVID VAPPSYASRV GVREPLITGV RAIDGLLTCG VGQRMGIFAS AGCGKTMLMH MLIEQTEADV FVIGLIGERG REVTEFVDML RASHKKEKCV LVFATSDFPS VDRCNAAQLA TTVAEYFRDQ GKRVVLFIDS MTRYARALRD VALASGERPA RRGYPASVFD NLPRLLERPG ATSEGSITAF YTVLLESEEE ADPMADEIRS ILDGHLYLSR KLAGQGHYPA IDVLKSVSRV FGQVTTPTHA EQASAVRKLM TRLEELQLFI DLGEYRPGEN IDNDRAMQMR DSLKAWLCQP VAQYSSFDDT LSGMNAFADQ N
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	47,611 Da
Sequence Positions	1-431, 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 P0A1C0
Species	Salmonella typhi
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for spaL recombinant protein	MBS1256355 is a recombinant protein targeting spaL. Also known as Recombinant Salmonella typhi Probable ATP synthase SpaL (spaL). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of spaL 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 spaL. It may not necessarily be applicable to this product.

NCBI GI #	16761671
NCBI GeneID	1249323
NCBI Accession #	NP_457288.1
UniProt Primary Accession #	P0A1C0
UniProt Secondary Accession #	P39444

GenBank Nucleotide #	NC_003198.1
NCBI Official Full Name	secretory apparatus ATP synthase
NCBI Official Symbol	spaI
UniProt Protein Name	Probable ATP synthase SpaL
UniProt Synonym Protein Names	Invasion protein InvC
Protein Family	Probable ATP synthase
UniProt Gene Name	spaL
UniProt Synonym Gene Names	invC; spaI
NCBI Protein Information	secretory apparatus ATP synthase
UniProt Comments for spaL	Necessary for efficient entry of S.typhimurium into cultured epithelial cells. Probable catalytic subunit of a protein translocase. May energize the protein export apparatus encoded in the inv locus which is required for the surface presentation of determinants needed for the entry of salmonella species into mammalian cells ().
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