S-Adenosylmethionine Synthase 3 (SAMS3) Catharanthus Roseus Recombinant Protein

PRODUCT OVERVIEW

Product Name	S-adenosylmethionine synthase 3 (SAMS3), Recombinant Protein
Full Product Name	Recombinant Catharanthus roseus S-adenosylmethionine synthase 3 (SAMS3)
Product Gene Name	SAMS3 recombinant protein
Product Synonym Gene Name	SAMS3
Sequence	METFLFTSES VNEGHPDKLC DQVSDAILDA CLEQDPESKV ACETCTKTNM VMVFGEITTK ATVNYEKIVR DTCRGIGFTS PDVGLDADNC KVLVNIEQQS PDIAQGVHGH LTKKPEEIGA GDQGHMFGYA TDETPELMPL THVLATKLGA KLTEVRKNKT CPWLRPDGKT QVTVEYRNEG GAMVPIRVHT VLISTQHDET VTNEQIAQDL KEHVIKPVIP AQYLDDQTIF HLNPSGRFVI GGPHGDAGLT GRKIIIDTYG GWGAHGGGAF SGKDPTKVDR SGAYIVRQAA KSVVASGLAR RCLVQVSYAI GVAEPLSVFV DTFKTGKIPD KDILALIKEN FDFRPGMIAI NLDLKRGGNF RYQKTAALGH LGRDDPDFTW ETVKILKPKA
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	42,556 Da
Sequence Positions	1-390, 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 Q96553
Species	Catharanthus roseus (Madagascar periwinkle) (Vinca rosea)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SAMS3 recombinant protein	MBS1475765 is a recombinant protein targeting SAMS3. Also known as Recombinant Catharanthus roseus S-adenosylmethionine synthase 3 (SAMS3). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SAMS3 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 SAMS3. It may not necessarily be applicable to this product.

NCBI GI #	3024148
NCBI Accession #	Q96553.1
UniProt Primary Accession #	Q96553
NCBI Official Full Name	S-adenosylmethionine synthase 3

UniProt Protein Name	S-adenosylmethionine synthase 3
UniProt Synonym Protein Names	Methionine adenosyltransferase 3; MAT 3
UniProt Gene Name	SAMS3
UniProt Synonym Gene Names	AdoMet synthase 3; MAT 3
UniProt Comments for SAMS3	Catalyzes the formation of S-adenosylmethionine from methionine and ATP. The reaction comprises two steps that are both catalyzed by the same enzyme: formation of S-adenosylmethionine (AdoMet) and triphosphate, and subsequent hydrolysis of the triphosphate.
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