S-adenosylmethionine synthase 2 (SAM2), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP15063*

Size *0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Solanum lycopersicum (Tomato) (Lycopersicon esculentum)

Full Product Name
Recombinant Solanum lycopersicum S-adenosylmethionine synthase 2 (SAM2)

Product Gene Name
SAM2 recombinant protein

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence
METFLFTSES VNEGHPDKLC DQVSDAVLDA CLAQDPESKV ACETCTKTNL VMVFGEITTK ANIDYEKIVR DTCREIGFVS PDVGLDADNC RVLVNIEQQS PDIAQGVHGH LTKRPEEIGA GDQGHMFGYA TDETPELMPL SHVLATKLGA RLTEVRKNGT CSWLRPDGKT QVTVEYHNDN GAMVPLRVHT VLISTQHDET VTNDEIARDL KEHVIKPVIP EKYLDENTIF HLNPSGRFVI GGPHGDAGLT GRKIIIDTYG GWGAHGGGAF SGKDPTKVDR SGAYIVRQAA KSIVANGLAR RCIVQVSYAI GVPEPLSVFV DTYGTGKIPD KEILNIVKEN FDFRPGMISI NLDLLRGGNG RFLKTAAYGH FGRDDPDFTW EVVKPLKWDK PEA

Sequence Positions
1-393, Full length protein

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
43,082 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

NCBI Accession
NP_001296305.1

NCBI GI
823683802

NCBI GenBank Nucleotide
NM_001309376.1

NCBI GeneID
101247506

NCBI Official Full Name
S-adenosylmethionine synthase 2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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https://www.cd-biosciences.com/plant-protein/

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NCBI Official Symbol
LOC101247506

NCBI Official Synonym Symbols
SAM2

NCBI Protein Information
S-adenosylmethionine synthase 2

UniProt Gene Name
SAM2

UniProt Synonym Gene Names
AdoMet synthase 2; MAT 2

UniProt Protein Name
S-adenosylmethionine synthase 2

UniProt Synonym Protein Names
Methionine adenosyltransferase 2; MAT 2

UniProt Primary Accession
P43281

UniProt Related Accession
P43281

UniProt Comments
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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