

# S-adenosylmethionine synthase 4 (METK4), Recombinant Protein

Cat RP05367

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 Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana S-adenosylmethionine synthase 4 (METK4)

## Product Gene Name

METK4 recombinant protein

## Product Synonym Gene Name

METK4

## Purity

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

## Sequence

MESFLFTSES VNEGHPDKLC DQISDAILDA CLEQDPESKV ACETCTKTNM VMVFGEITTK ANVDYEQIVR  
KTCREIGFVS ADVGLDADNC KVLVNIEQQS PDIAQGVHGH LTKKPPEEVGA GDQGHMFGYA TDETPELMPL  
THVLATKLGA KLTEVRKNGT CPWLRPDGKT QVTIEYINES GAMVPVRVHT VLISTQHDET VTNDEIAADL  
KEHVIKVPV EKYLDEKTIF HLNPSGRFVI GPHGDAGLT GRKIIDTYG GWGAHGGGAF SGKDPTKVDR  
SGAYIVRQAA KSIVASGLAR RVIVQVSYAI GVPEPLSVFV DSYGTGKIPD KEILEIVKES FDFRPGMISI  
NLDLKRGGNG RFLKTAAYGH FGRDDADFTW EVVKPLKSNK VQA

## 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

42,796 Da

## Storage

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

## NCBI Accession #

NP\_188365.1

## NCBI GI #

15229033

## NCBI GenBank Nucleotide #

NM\_112618.4

## NCBI GeneID

821003

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
S-adenosylmethionine synthetase family protein

## NCBI Official Symbol

MTO3

## NCBI Official Synonym Symbols

MAT4; METHIONINE ADENOSYLTRANSFERASE 4; METHIONINE OVER-ACCUMULATOR 3; S-ADENOSYLMETHIONINE SYNTHETASE; S-ADENOSYLMETHIONINE SYNTHETASE 3; SAMS3

## NCBI Protein Information

S-adenosylmethionine synthetase family protein

## UniProt Gene Name

METK4

## UniProt Synonym Gene Names

MTO3; SAMS3; AdoMet synthase 4; MAT 4

## UniProt Protein Name

S-adenosylmethionine synthase 4

## UniProt Synonym Protein Names

Methionine adenosyltransferase 4; MAT 4

## UniProt Primary Accession #

Q9LUT2

## UniProt Secondary Accession #

Q0WLR3

## UniProt Related Accession #

Q9LUT2

## 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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