

# S-adenosylmethionine synthase 2 (METK2), Recombinant Protein

Cat RP15812

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)

## Full Product Name

Recombinant Solanum tuberosum S-adenosylmethionine synthase 2 (METK2)

## Product Gene Name

METK2 recombinant protein

## Product Synonym Gene Name

METK2

## Purity

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

## Sequence

METFLLTSES VNEGHPDKLC DQVSDAILDA CLEQDPESKV ACETCTKTNM VMVFGEITTK ANVDYEKIVR  
DTCREIGFIS ADVGLDADNC KVLVNIEQQS PDIAQGVHGH LTKKPEEIGA GDQGHMFGYA TDETPELMPL  
THVLATKLGGA KLTEVRKNKT CPWLRPDGKT QVTVEYKNDN GAMVPIRVHT VLISTQHDET VTNDQIAQDL  
KEHVIKVPV AKYLDENTIF HLNPSGRFVI GPHGDAGLT GRKIIIDTYG GWGAHGGGAF SGKDPTKVDR  
SGAYIVRQAA KSVVASGLAR RCIVQVSYAI GVAEPLSVFV DTYKTGTIPD KDILVLIKEN FDFRPGMMSI  
NLDLLRGGNF RYQKTAAYGH FGRDDPDFTW ETVKVLKPKA

## Sequence Positions

1-390, 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

42,702 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.

## Protein Family

S-adenosylmethionine synthase

## NCBI Accession #

NP\_001305478.1

## NCBI GI #

972777681

## NCBI GenBank Nucleotide #

NM\_001318549.1

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## NCBI GeneID

102578902

## NCBI Official Full Name

S-adenosylmethionine synthase 2

## NCBI Official Symbol

LOC102578902

## NCBI Official Synonym Symbols

METK2

## NCBI Protein Information

S-adenosylmethionine synthase 2

## UniProt Gene Name

METK2

## 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 #

Q38JH8

## UniProt Related Accession #

Q38JH8

## 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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