

Serine hydroxymethyltransferase, mitochondrial (SHMT), Recombinant Protein

Cat RP17917

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)
Pisum sativum (Garden pea)

Full Product Name

Recombinant Pisum sativum Serine hydroxymethyltransferase, mitochondrial

Product Gene Name

SHMT recombinant protein

Purity

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

Sequence

SLPDEAVYDK ENPRVTWPKQ LNSPLEVIDP EIADIIIELEK ARQWKGLELI PSENFSTLSV MQAVGSMVTN KYSEGYPGAR YYGGNEYIDM AETLCQKRAL EAFRLDPAKW GNVNQPLSGS PSNFQVYTAL LKPHDRIMAL DLPHGGHLSH GYQTDTKKIS AVSIFSETMP YRLDESTGYI DYDQLEKSAT LFRPKLIVAG ASAYARLYDY ARIRKVC DKQ KAVLLADMAH ISGLVAAGVI PSPFDYADV TTTTHKSLRG PRGAMIFFRK GLKEVNKQ GK EVFYDYEDKI NQAVFPGLQG GPHNHTITGL AVALKQATTP EYRAYQEQVL SNSSKFAKAL SEKG YDLVSG GTENHLVLVN LKNKGIDGSR VEKVLELVHI AANKNTVPGD VSAMVPGGIR MGTPALTSRG FVEEDFVKVA EYFDAAVSLA LKVKAESKGT KLKDFVEALQ TSSYVQSEIS KCLKHDVEEFA KQFPTIGFEK ATMKYNK

Sequence Positions

32-518, 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

57,293 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

P34899.1

NCBI GI

462187

NCBI Official Full Name

Serine hydroxymethyltransferase, mitochondrial

UniProt Gene Name

SHMT

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)

UniProt Synonym Gene Names

SHMT

UniProt Protein Name

Serine hydroxymethyltransferase, mitochondrial

UniProt Synonym Protein Names

Glycine hydroxymethyltransferase; Serine methylase

UniProt Primary Accession

P34899

UniProt Comments

Catalyzes the interconversion of serine and glycine.

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