Recombinant Human S-adenosylmethionine synthase isoform type-1 (MAT1A)

Product Code	CSB-EP013516HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	Q00266
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MNGPVDGLCD HSLSEGVFMF TSESVGEGHP DKICDQISDA VLDAHLKQDP NAKVACETVC KTGMVLLCGE ITSMAMVDYQ RVVRDTIKHI GYDDSAKGFD FKTCNVLVAL EQQSPDIAQC VHLDRNEEDV GAGDQGLMFG YATDETEECM PLTIILAHKL NARMADLRRS GLLPWLRPDS KTQVTVQYMQ DNGAVIPVRI HTIVISVQHN EDITLEEMRR ALKEQVIRAV VPAKYLDEDT VYHLQPSGRF VIGGPQGDAG VTGRKIIVDT YGGWGAHGGG AFSGKDYTKV DRSAAYAARW VAKSLVKAGL CRRVLVQVSY AIGVAEPLSI SIFTYGTSQK TERELLDVVH KNFDLRPGVI VRDLDLKKPI YQKTACYGHF GRSEFPWEVP RKLVF
Source	E.coli
Target Names	MAT1A
Protein Names	Recommended name: S-adenosylmethionine synthase isoform type-1 Short name= AdoMet synthase 1 EC= 2.5.1.6 Alternative name(s): Methionine adenosyltransferase 1 Short name= MAT 1 Methionine adenosyltransferase I/III Shor
Expression Region	1-395
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene catalyzes a two-step reaction that involves the transfer of the adenosyl moiety of ATP to methionine to form S-adenosylmethionine and tripolyphosphate, which is subsequently cleaved to PPi and Pi. S-adenosylmethionine is the source of methyl groups for most biological methylations. The encoded protein is found as a homotetramer (MAT I) or a homodimer (MAT III) whereas a third form, MAT II (gamma), is encoded by the MAT2A gene. Mutations in this gene are associated with methionine adenosyltransferase deficiency.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.