

SHMT1 Protein, Human (HEK293, His)

Cat. No.:	HY-P70973
Synonyms:	Serine Hydroxymethyltransferase Cytosolic; SHMT; Glycine Hydroxymethyltransferase; Serine Methylase; SHMT1
Species:	Human
Source:	HEK293
Accession:	AAH07979.1 (M3-F483)
Gene ID:	6470
Molecular Weight:	Approximately 55.0 kDa

PROPERTIES

AA Sequence	<pre> MPVNGAHKDA DLWSSSHDKML AQPPLKDS DVE VYNI IKKESN RQRVGLLELIA SENFASRAVL EALGSC LNNK YSEGYPGQRY YGGTEFIDEL ETL CQKRALQ AYKLD PQCWG VNVQP YSGSP ANFAVY TALV EPHGRIMGLD LPDGGHL THG FMTDKKKISA TSIFFESMPY KVNPD TGYIN YDQLEENARL FHPKLI IAGT SCYSRNLE YA RLRKIADENG AYLMA DMAHI SGLVAAGVVP SPFEHCHVVT TTTHKTLRGC RAGMIF YRKG VKSVD PKTGK EILYNLESLI NSAVFPGLQG GPHNHA IAGV AVALKQAMTL EFK VYQH QVV ANCRALSEAL TELGYKIVTG GSDNHL I LVD LRSKGTDGGR AEKVLEACSI ACNKNTCPGD RSALRPSGLR LGT PALTSRG LLEKDFQKVA HF IHRG IELT LQIQSDTGVR ATLKEFKERL AGDKYQAAVQ ALREEVESFA SFFPLPGLPD F </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 1 mM EDTA, 5% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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