

Human SHMT1 Recombinant Protein



RPPB2273

Product Information Protein Information

Product SKU:

RPPB2273

Accession:

P34896

Host:

Escherichia Coli.

Protein description:

SHMT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 503 amino acids (1-483 a.a.) and having a molecular mass of 55.2kDa. SHMT1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

Serine hydroxymethyltransferase 1 (soluble), CSHMT, Glycine hydroxymethyltransferase, Serine methylase, 14 kDa protein, cytoplasmic serine hydroxymethyltransferase, serine hydroxymethyltransferase cytosolic, EC 2.1.2.1.

Formulation:

SHMT1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MTMPVNGAHK DADLWSSHDK MLAQLKDSD VEVYNIKKE SNRQRVGLEL
IASENFASRA VLEALGSLN NKYSEGYPGQ RYGGTEFID ELETLCQKRA LQAYKLDPOC WGVNVQPYSG
SPANFAVYTA LVEPHGRIMG LDLPDGGHLT HGFMTDKKKI SATSIFESM PYKVNPDGTGY INYDQLENA
RLFHPKLIIA GTSCYSRNLE YARLRKIAD E NGAYLMADMA HISGLVAAGV VPSPFEHCHV VTTTTHKTLR
GCRAGMIFYR KGVKSVDPKT GKEILYNLES LINSVFPGL QGGPHNHAIA GVAVALKQAM TLEFKVYQHQ
VVANCRALSE ALTELGKIV TGGSDNHLIL VDLRSKGTGD GRAEKVLEAC SIACNKNTCP GDRSALRPSG
LRLGTPALTS RGLLEKDFQK VAHFIHRGIE LTLQIQSDTG VRATLKEFKE RLAGDKYQAA VQALREEVES
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