

Recombinant Human SHMT1 Protein

Catalog #	Source	Reactivity	Applications
CRP2302	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human SHMT1 Protein is produced by our mammalian expression system and the target gene encoding Met3-Phe483 is expressed with a 6His tag at the C-terminus.

Form Lyophilized from a 0.2 μ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Gene Symbol SHMT1

Alternative Names Serine hydroxymethyltransferase cytosolic; SHMT; Glycine hydroxymethyltransferase; Serine methylase

Entrez Gene 6470 (Human)

SwissProt P34896 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MPVNGAHKDA DLWSSHDKML AQPLKDS DVE VYNIKKESN RQRVGLELIA SENFASRAVL EALGSLNNK YSEGYPGQRY YGGTEFIDEL ETL CQKRALQ AYKLD PQCWG VNVQP YSGSP ANFAVYTALV EPHGRIMGLD LPDGGHLTHG FMTDKKKISA TSIFFESMPY KVNPD TGYIN YDQLEENARL FHPKLIAGT SCYSRNLEYA RLRKIADENG AYLMADMAHI SGLVAAGVVP SPFEHCHVVT TTTHTKLRGC RAGMIFYRKG VKSVD PKTGK EILYNLESLI NSAVFPGLQG GPHNHAIAGV AVALKQAMTL EFKVYQH QVV ANCRAL SEAL TELGYKIVTG GSDNHLI LVD LRSKGT D GGR AEKVLEACSI ACNKNTCPGD RSALRPSGLR LGTPALTSRG LLEKDFQKVA HFIHRGIELT LQIQSDTGVR ATLKEFKERL AGDKYQAAVQ ALREEVESFA SFFPLPGLPD FVDHHHHHH

Quality Control Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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