

Catalog No.: RP03561LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	6472	P34897

Synonyms
SHMT2; Serine
hydroxymethyltransferase;
mitochondrial; SHMT

Source	Purification
<i>E. coli</i>	≥ 90% as determined by reducing SDS-PAGE.

Calculated MW	Observed MW
52.7 KDa	40-60 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.2 µm filtered solution of
50 mM HEPES (pH7.5), 200 mM NaCl,
20% glycerol, 1 mM DTT

Reconstitution

The SHMT2 protein catalyzes the cleavage of serine to produce 5,10-methylenetetrahydrofolate for purine synthesis. It binds to mitochondrial DNA and participates in target protein deubiquitination via the BRISC complex.

Recombinant Human SHMT2 Protein is produced by *E. coli* system. The target protein is expressed with sequence (Ser29-His504) of Human SHMT2(Accession #P34897) fused with no tag.

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.

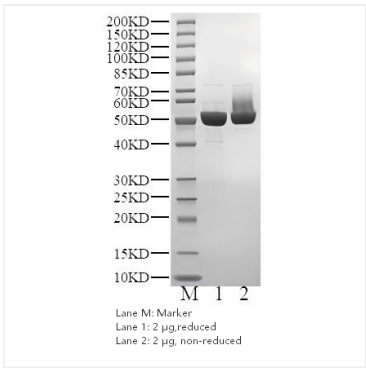
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



Recombinant Human SHMT2 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.