Recombinant Human SHMT2 Protein

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Catalog No.: RP03561LQ Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 6472 P34897

Tags NO-Tag

Synonyms

SHMT2;Serine hydroxymethyltransferase; mitochondrial; SHMT

Product Information

Source Purification

E. coli ≥ 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

Background

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.

Basic Information

Description

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.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

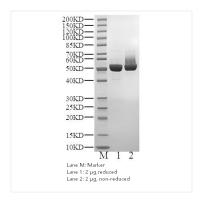
Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Operational Notes

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

Contact

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