Recombinant Human SHMT2 Protein

Catalog No.: RP03561LQ

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Sequence Information

Species
Human

Gene ID
6472

Swiss Prot
P34897

Tags
NO-Tag

Synonyms
SHMT2,Serine hydroxymethyltransferase, mitochondrial, SHMT

Product Information

Source
E. coli

Purification
≥ 90% as determined by reducing SDS-PAGE.

Calculated MW
52.7 KDa

Observed MW
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.

Activity

Shipping
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.

Storage
Store at -70℃

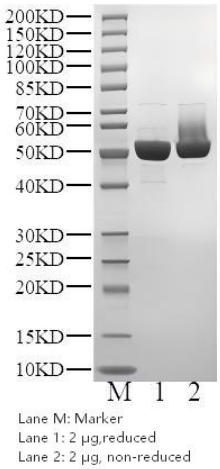
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Lane M: Marker
Lane 1: 2 μg,reduced
Lane 2: 2 μg, non-reduced

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