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- Diagnostik & molekulare Diagnostik
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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SHMT1 293T Cell Transient Overexpression Lysate(Denatured)

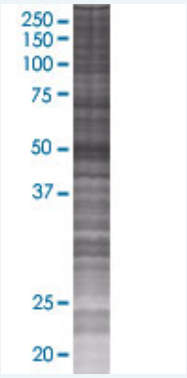
Catalog # : H00006470-T01 **規格 :** [100 uL]

List All

Specification

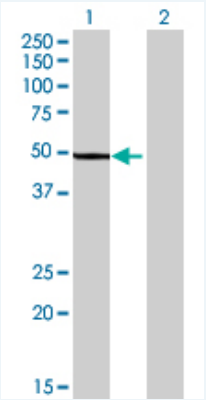
Transfected Cell Line:	293T
Plasmid:	pCMV-SHMT1 full-length
Host:	Human
Theoretical MW (kDa):	53.24
Quality Control Testing:	Transient overexpression cell lysate was tested with Anti-SHMT1 antibody (H00006470-B01) by Western Blots.

SDS-PAGE Gel



SHMT1 transfected lysate.

Western Blot



Lane 1: SHMT1 transfected lysate (53.24 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer:	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction:	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID:	6470
GeneBank Accession#:	NM_004169.3
Protein Accession#:	NP_004160.3
Gene Name:	SHMT1
Gene Alias:	CSHMT,MGC15229,MGC24556,SHMT
Gene Description:	serine hydroxymethyltransferase 1 (soluble)
Omim ID:	182144
Gene Ontology:	Hyperlink
Gene Summary:	This gene encodes the cellular form of serine hydroxymethyltransferase, a pyridoxal phosphate-containing enzyme that catalyzes the reversible conversion of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. This reaction provides one carbon units for synthesis of methionine, thymidylate, and purines in the cytoplasm. This gene is located within the Smith-Magenis syndrome region on chromosome 17. Alternative splicing of this gene results in 2 transcript variants encoding 2 different isoforms. Additional transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq
Other Designations:	14 kDa protein,cytoplasmic serine hydroxymethyltransferase

Gene Pathway

Cyanoamino acid metabolism Glycine, serine and threonine metabolism
Metabolic pathways Methane metabolism One carbon pool by folate

Related Disease

Adenocarcinoma Adenoma Aortic Aneurysm, Abdominal Arthritis, Rheumatoid
Atherosclerosis Autistic Disorder Bone Neoplasms Brain Ischemia Breast cancer
Breast Neoplasms Carcinoma, Squamous Cell Cardiovascular Diseases Cleft Lip
Cleft Palate Colorectal Neoplasms Disease Models, Animal Ductus Arteriosus, Patent
Epilepsy Epilepsy

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