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Datasheet for ABIN2731999 SHMT1 Protein (Transcript Variant 1) (Myc-DYKDDDDK Tag)



Image

Overview	
Quantity:	20 µg
Target:	SHMT1
Protein Characteristics:	Transcript Variant 1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHMT1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	 Recombinant human SHMT1 / SHMT (transcript variant 1) protein expressed in HEK293 cells. Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	SHMT1
Alternative Name:	Shmt1,shmt (SHMT1 Products)
Background:	This gene encodes the cytosolic form of serine hydroxymethyltransferase, a pyridoxal

phosphate-containing enzyme that catalyzes the reversible conversion of serine and

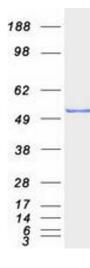
tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. This reaction provides one-

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Taryet Details	Target	Detai	ls
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	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. A pseudogene of this gene is located on the short arm of chromosome 1. Alternative splicing results in multiple transcript variants.
Molecular Weight:	52.9 kDa
NCBI Accession:	NP_004160
Application Details	
Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only
Handling	
Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Images



Western Blotting

Image 1. Validation with Western Blot

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