

Recombinant Human SHMT2

Catalog No: #GP13019



Package Size: #GP13019-1 100ug

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Description

Product Name	Recombinant Human SHMT2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 305-504 amino acids of human SHMT2
Target Name	serine hydroxymethyltransferase 2
Other Names	GLYA; SHMT; HEL-S-51e
Accession No.	Swissprot:P34897Gene Accession:BC011911
Uniprot	P34897
GeneID	6472;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes the mitochondrial form of a pyridoxal phosphate-dependent enzyme that catalyzes the reversible reaction of serine and tetrahydrofolate to glycine and 5,10-methylene tetrahydrofolate. The encoded product is primarily responsible for glycine synthesis. The activity of the encoded protein has been suggested to be the primary source of intracellular glycine. The gene which encodes the cytosolic form of this enzyme is located on chromosome 17. Alternative splicing results in multiple transcript variants.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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