

Recombinant Human SETMAR

Catalog No: #GP13346



Package Size: #GP13346-1 100ug

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Description

Product Name	Recombinant Human SETMAR
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 14-213 amino acids of human SETMAR
Target Name	SET domain and mariner transposase fusion gene
Other Names	Mar1; METNASE
Accession No.	Swissprot:Q53H47Gene Accession:BC011635
Uniprot	Q53H47
GeneID	6419;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes a fusion protein that contains an N-terminal histone-lysine N-methyltransferase domain and a C-terminal mariner transposase domain. The encoded protein binds DNA and functions in DNA repair activities including non-homologous end joining and double strand break repair. The SET domain portion of this protein specifically methylates histone H3 lysines 4 and 36. This gene exists as a fusion gene only in anthropoid primates, other organisms lack mariner transposase domain. Alternate 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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