

Recombinant Human SETMAR Protein, MYC/DDK-tagged

Cat. No. SETMAR-1121H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SETMAR protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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. [provided by RefSeq, Jan 2013].
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	77.9 kDa
Purity	>50 ug/mL as determined by microplate BCA method
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	SETMAR SET domain and mariner transposase fusion gene [Homo sapiens]
Official Symbol	SETMAR
Synonyms	Mar1; METNASE
Gene ID	6419
mRNA Refseq	NM_001243723
Protein Refseq	NP_001230652
MIM	609834
UniProt ID	Q53H47

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