

## Product datasheet for **TP329337M**

### SETMAR (NM\_006515) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SET domain and mariner transposase fusion gene (SETMAR), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC229337 representing NM_006515 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MFAEAAKTRPCGMAEFKEKPEAPTEQLDVACGQENLPVGAWPPGAAPPFQYTPDHVVGPGADIDPTQI  
TFPGCICVKTPCLPGTCSCLRHHGENYDDNSCLRDIGSGGKYAEPVFECNLCRCSDHCRNRVWQKGLQFH  
FQVFKTHKKGWGLRTLFIKGRFVCEYAGEVLGFSEVQRRHLQTKSDSNYIIAIREHVYNGQVMETFV  
DPTYIGNIGRFLNHSCEPNLLMIPVRIDSMVPKLALFAAKDIVPEEELSYDYSGRYLNLTVSEDKERLDH  
GKLRKPCYCGAKSCTAFLPFSSLYCPVEKSNISCGNEKEPSMCGSAPSVFPCKRRLTLETMKMMLDKKQ  
IRAIFFEFKMGRKAAETTRNINNAFGPGTANERTVQWWFKKFKGDESLEDEERSGRPSEVDNDQLRAI  
IEADPLTTTREVAAELNVNHSTVVRHLKQIGKVKKLDKWWPHELTENQKNRRFEVSSSLLRNHNPEFLD  
RIVTCDEKWLYDNRRRSQAQWLDQEEAPKHFPKILHPKKVMVTIWWWSAAGLIHYSFLNPGETITSEKYA  
QEIDEMNQKLQRLQLALVNRKGPILLHDNARPHVAQPTLQKLNELGYEVLPHPPYSPDLLPTNYHVFKHL  
NNFLQGKRFHNQQAENAFQEFVESQSTDFYATGINQLISRWQKCVDCNGSYFD

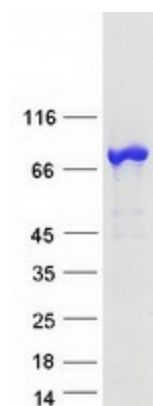
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	77.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006506</a>
<b>Locus ID:</b>	6419
<b>UniProt ID:</b>	<a href="#">Q53H47</a> , <a href="#">E7EN68</a>
<b>Cytogenetics:</b>	3p26.1
<b>RefSeq ORF:</b>	2052
<b>Synonyms:</b>	Mar1; METNASE
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Lysine degradation

**Product images:**

Coomassie blue staining of purified SETMAR protein (Cat# [TP329337]). The protein was produced from HEK293T cells transfected with SETMAR cDNA clone (Cat# [RC229337]) using MegaTran 2.0 (Cat# [TT210002]).