

Product datasheet for TP329337

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), 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC229337 representing NM_006515 Red=Cloning site Green=Tags(s) |

MFAEAAKTRPCGMAEFKEKPEAPTEQLDVACGQENLPVGAWPPGAAPAPFQYTPDHVVGPGADIDPTQI
TFPGCICVKTPCLPGTCSCLRHHGENYDDNSCLRDIGSGGKYAEPVFECNLCRCSDHCRNRVWQKGLQFH
FQVFKTHKKGWGLRTLFIKGRFVCEYAGEVLGFSEVQRRHLQTKSDSNYIIAIREHVYNGQVMETFV
DPTYIGNIGRFLNHSCEPNLLMIPVRIDSMVPKLALFAAKDIVPEEELSYDYSGRYLNLTVSEDKERLDH
GKLRKPCYCGAKSCTAFLPFDSLYCPVEKSNISCGNEKEPSMCGSAPSVFPCKRLTLETMKMMLDKKQ
IRAIFFEFKMGRAAETTRNINNAFGPGTANERTVQWWFKKFKGDESLEDEERSGRPSEVDNDQLRAI
IEADPLTTTREVAAELNVNHSTVVRHLKQIGKVKKLDKWWPHELTENQKNRRFEVSSSLLRNHNPEFLD
RIVTCDEKWLYDNRRRSAQWLDQEEAPKHFPKPIHPKVMVTIWWWSAAGLIHYSFLNPGETITSEKYA
QEIDEMNQKLQRLQLALVNRKGPILLHDNARPHVAQPTLQKLNELGYEVLPHPPYSPDLLPTNYHVFKHL
NNFLQGKRFHNQQAENAFQEFVESQSTDFYATGINQLISRWQKCVDCNGSYFD

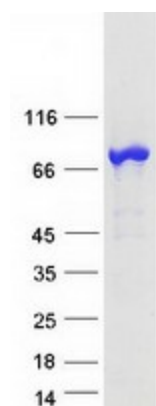
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| 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. |



[View online »](#)

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