

## Product datasheet for **TP508356**

### Nsun2 (BC013625) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse NOL1/NOP2/Sun domain family 2 (cDNA clone MGC:18985 IMAGE:4011674), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA** >MR208356 protein sequence

**Clone or AA Sequence:** **Red**=Cloning site **Green**=Tags(s)

MVWNHDASSIPRLTVDVDGRKEILFYDRILCDVPCSGDGTMRKNIDVWKKWTTLNSLQLHGLQLRIATRG  
AEQLAEGGRMVYSTCSLNPVEDEAVIAALLEKSEGALELADVSAELPGLKWM PGVSQWKVMTRDGQWFAD  
WHEVPQGRHTQIRPTMFPPTDLEKLQAMHLERCLRILPHHQNTGGFFVAVLVKKAPMPWNKRQPKVQNK  
AEAREPRVSSHVAATEGNPSDQSELESQMITGAGDSETAHNTENTESNEKKDGVCGPPPSKMMKLFKFKE  
DPFVFIPEDDPLFPPIEKFYALDPSFPRMNLTRTTEGKKRQLYMVSKELRNVLNNSSEKMKVINTGIKV  
WCRNNSGEEFDCAFRLAQEGIYTLYPFINSRIITVSMEDVKLLTQENPFFRKLSSSEAYSQVKDLAKGSV  
VLKYEPDSANPDTLQCPIVLCGWRGKASIRTFVPKNERLHYLRMMGLEVLGEKKKEGVILT NENAASPEQ  
PGDEDAKQTAQDPCVPD SVPDGCDA AAAAEP SR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 58.4 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

**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 after receiving vials.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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<b>Locus ID:</b>	28114
<b>UniProt ID:</b>	<a href="#">Q1HFZ0</a>
<b>RefSeq Size:</b>	2325
<b>Cytogenetics:</b>	13 35.55 cM
<b>RefSeq ORF:</b>	1563
<b>Synonyms:</b>	D13Wsu123e; Misu
<b>Summary:</b>	RNA methyltransferase that methylates tRNAs, and possibly RNA polymerase III transcripts. Methylates cytosine to 5-methylcytosine (m5C) at positions 34 and 48 of intron-containing tRNA(Leu)(CAA) precursors, and at positions 48, 49 and 50 of tRNA(Gly)(GCC) precursors (By similarity). May act downstream of Myc to regulate epidermal cell growth and proliferation. Required for proper spindle assembly and chromosome segregation, independently of its methyltransferase activity.[UniProtKB/Swiss-Prot Function]