

Recombinant Human NSUN6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NSUN6-2817H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NSUN6 MS Standard C13 and N15-labeled recombinant protein (NP_872349) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C5 position of cytosine 72 in tRNA(Thr)(TGT) and tRNA(Cys)(GCA). In vitro also methylates tRNA(Thr)(AGT). Methylation requires, in the acceptor stem region, the presence of the 3'-CCA terminus, the target site C72, the discriminator base U73, and the second and third base pairs (2:71 and 3:70) in the tRNA substrates.
Molecular Mass	51.8 kDa
AA Sequence	MSIFPKISLRPEVENYLKEGFMNKEIVTALGKQEAERKFETLLKHLSHPPSFTTVRVN THLASVQHVKNLLLDELQKQFNGLSVPIQHPDLQDVLLIPVIGPRKNIKKQQCEAIVG AQCGNAVLRGAHVYAPGIVSASQFMKAGDVISVSDIKGKCKKGAKEFDGTVKVLG NGISELSRKEIFSGLPPELKGGMGIRMTEPVYLSPSFDSVLPYRFLQNLPSALVSHVLN PQPGEKILDCAAPGGKTTHIAALMHDQGEVIALDKIFNKVEKIKQNALLLGLNSIRAF CFDGTAKVKLDMVEDTEGEPPFLPESFDRILLDAPCSGMGQRPNMACTWSVKEVA SYQPLQRKLFTAQVQLLKPEGVLVYSTCTITLAENEEQVAWALTKEPCLQLQPQEPQI GGEGMRGAGLSCEQLKQLQRFDPASVPLPDTDMDSLREARREDMLRLANKDSIGF

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FIAKFVKCKSTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NSUN6 NOP2/Sun RNA methyltransferase 6 [Homo sapiens (human)]
Official Symbol	NSUN6
Synonyms	NSUN6; NOP2/Sun domain family, member 6; NOL1/NOP2/Sun domain family 6, NOL1/NOP2/Sun domain family, member 6, NOPD1; putative methyltransferase NSUN6; FLJ23743; NOL1/NOP2/Sun domain family 6; NOL1/NOP2/Sun domain family member 6; NOL1/NOP2/Sun domain family, member 6; NOL1/NOP2/Sun and PUA domain-containing protein 1; nucleolar protein (NOL1/NOP2/sun) and PUA domains 1; NOPD1; 4933414E04Rik;
Gene ID	221078
mRNA Refseq	NM_182543
Protein Refseq	NP_872349

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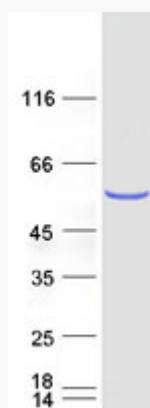
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MIM 617199

UniProt ID Q8TEA1

SDS-PAGE



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