



Recombinant Human NSUN2 Protein Product Manual

1. Product Basic Information

Product No.: REP07647

Protein Name: Mrna Cytosine C(5)-Methyltransferase (NSUN2)

Aliases: MISU; MRT5; SAKI; TRM4; mRNA cytosine C(5)-methyltransferase; tRNA cytosine C(5)-methyltransferase; RNA cytosine C(5)-methyltransferase NSUN2; myc-induced SUN domain-containing protein; tRNA (cytosine...

UniProt ID: Q08J23

UniProt Link: <https://www.uniprot.org/uniprotkb/Q08J23/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-767aa)

Molecular Weight: 93.4 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-767aa)

MGRRSRGRRLQQQRPEDAEDGAEGGGKRGEAGWEGGYPEIVKENKLFHHYYQ
ELKIVPEGEWGQFMDALREPLPATLRITGYKSHAKEILHCLKNKYFKELEDLEVDGQ
KVEVPQPLSWYPEELAWHTNLSRKILRKSPHLEKFHQFLVSETESGNISRQEAVSMI
PPLLLNVRPHHKILDMCAAPGSKTTQLIEMHLHADMNVPFPEGFVIANDVDNKRCYLL
VHQAKRLSSPCIMVVNHDASSIPRLQIDVDGRKEILFYDRILCDVPCSGDGTMRKNID
VWKKWTTLNSLQLHGLQLRIATRGAEQLAEGGRMVYSTCSLNPIDEAVIASLLEKS
EGALELADVSNELPGLKWMPGITQWKVMTKDGQWFTDWDVPHSRHTQIRPTMF
PPKDPEKLQAMHLERCLRILPHHQNTGGFFVAVLVKKSSMPWNKRQPKLQGKSAE
TRESTQLSPADLTEGKPTDPSKLESPSFTGTGDTEIAHATEDLENNGSKKDGVCGP
PPSKKMKLFGFKEDPFVFIPEDDPLFPPIEKFYALDPSFPRMNLTRTTEGKKRQLY
MVSKELRNVLLNNSEKMKVINTGIKVWCRNNSGEEFDCAFRLAQEGIYTLYPFINSRI
ITVSMEDVKILLTQENPFFRKLSSSETYSQAKDLAKGSIVLKYEPDSANPDALQCPIVL
CGWRGKASIRTFVPKNERLHYLRMMGLEVLGEKKKEGVILTNEAASSTGQPDNDVT
EGQRAGEPNSPDAEEANSPDVTAGCDPAGVHPPR



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human NSUN2 full length protein (1-767aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. NSUN2, also known as MISU or MRT5 or SAKI, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.