

PRODUCT INFORMATION

Target	NSUN3
Synonyms	MST077; MSTP077
Description	Purified recombinant protein of Human NOP2/Sun domain family, member 3 (NSUN3), full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
Delivery	2-3 weeks
Uniprot ID	Q9H649
Expression Host	E. coli
Tag	N-His
Molecular Characterization	N/A
Molecular Weight	38.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Formulation & Reconstitution	50mM Tris, 8M Urea, pH8.0.
Storage & Shipping	Store at -80°C.
Background	Mitochondrial tRNA methyltransferase that mediates methylation of cytosine to 5-methylcytosine (m5C) at position 34 of mt-tRNA(Met) (PubMed:27497299, PubMed:27214402, PubMed:27356879). mt-tRNA(Met) methylation at cytosine(34) takes place at the wobble position of the anticodon and initiates the formation of 5-formylcytosine (f(5)c) at this position (PubMed:27497299, PubMed:27214402, PubMed:27356879). mt-tRNA(Met) containing the f(5)c modification at the wobble position enables recognition of the AUA codon in addition to the AUG codon, expanding codon recognition in mitochondrial translation (PubMed:27497299, PubMed:27356879).[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

