

Product datasheet for TP506594

Trmu (NM_028063) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase (Trmu), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >MR206594 protein sequence
Red=Cloning site **Green**=Tags(s)

MSALRHVVCALSGGVDSAVAALLRRRGYQVTGVFMKNWDSLDEQGVCAADKDCEDAYKVCQILDIPFHQ
VSYVKEYWNDVFSDFLNEYEKGRTPNPDINCNKHIKFCFYHYAVDNLGADAVATGHYARTSLEDEEVFE
QKHTKKPDGLFRNRFVVRNPVKLLQAADSFKDQTFFLSQVSDALRRTIFPLGELTKDFVKKIAAENSLH
HVLQKRESMGICFIGKRNLEHLLQYLQPRPGKFVSIEDNTVLGTHKGWFLYTLGQRAKISGLREPWYV
EKDGTGKGDVLVAPRVDHPALYRDLLRTRNRVHWIAEPPAALVRDKMMECHFRFRHQMALVPCVLTNLQDG
TWWVTAVKAVRGLALGQFAVFYKGEELGSGKILRLGPSAYTLQKGNRTRVAPEASSDSPGLHPTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 47.2 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.
RefSeq: [NP_082339](#)
Locus ID: 72026
UniProt ID: [Q9DAT5](#)



[View online »](#)

RefSeq Size: 1520

Cytogenetics: 15 E2

RefSeq ORF: 1254

Synonyms: 1110005N20Rik; 1600025P05Rik; AI314320; Trmt1

Summary: Catalyzes the 2-thiolation of uridine at the wobble position (U34) of mitochondrial tRNA(Lys), tRNA(Glu) and tRNA(Gln). Required for the formation of 5-taurinomethyl-2-thiouridine (tm5s2U) of mitochondrial tRNA(Lys), tRNA(Glu), and tRNA(Gln) at the wobble position. ATP is required to activate the C2 atom of the wobble base.[UniProtKB/Swiss-Prot Function]