

Product datasheet for **TP500396**

0610038D11Rik (BC019418) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RIKEN cDNA 0610038D11 gene (cDNA clone MGC:30341 IMAGE:4162006), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR200396 protein sequence Red =Cloning site Green =Tags(s)
	 MKLLTHNLLSSHVRGVGTRGFPLRLQATEVRINPVEFNPEFVARMIPKVEWAALVQAADTLNLAEVPKEP TEGYEHDETFLRKMHHVLLLEVRILGHRLPRPTEATGA SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	12.2 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.
Locus ID:	67674
UniProt ID:	Q9DCG9
RefSeq Size:	654
Cytogenetics:	19 A
RefSeq ORF:	324



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Synonyms: 0610038D11Rik; Trm112p

Summary: Acts as an activator of both rRNA/tRNA and protein methyltransferases (PubMed:26797129). Together with methyltransferase BUD23, methylates the N(7) position of a guanine in 18S rRNA (By similarity). The heterodimer with HEMK2/N6AMT1 catalyzes N5-methylation of ETF1 on 'Gln-185', using S-adenosyl L-methionine as methyl donor (PubMed:20606008, PubMed:26797129). The heterodimer with ALKBH8 catalyzes the methylation of 5-carboxymethyl uridine to 5-methylcarboxymethyl uridine at the wobble position of the anticodon loop in target tRNA species (By similarity). Involved in the pre-rRNA processing steps leading to small-subunit rRNA production (By similarity).[UniProtKB/Swiss-Prot Function]