

Product datasheet for TP503055

Emg1 (NM_013536) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse EMG1 N1-specific pseudouridine methyltransferase (Emg1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203055 protein sequence Red =Cloning site Green =Tags(s)
	 MSAASGGFQPRRRFSVQEQDWETTPPKLRLGAGSKCGRRLLIVVLEGASLETVKVGKTYELLNCDRHK SMLLKNGRDPGEVVPDITHQSLLMLMDSPLNRAGLLQVYIHTQKNVLEIVNPQTRIPRTFDRFCGLMVQL LHKLSVRAADGPQKLLKVIKPNVSDHFPVGCMIKIGTSFSVEDISDIRELVPSSDPVVFVVGAFAHGKVSV EYTEKMVSISNYPLSAALCAKVTTAFEEVWGI TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	27 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_038564
Locus ID:	14791
UniProt ID:	O35130 , Q542P8
RefSeq Size:	1086



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Cytogenetics: 6 59.17 cM

RefSeq ORF: 735

Synonyms: C2f; Grcc2f

Summary: S-adenosyl-L-methionine-dependent pseudouridine N(1)-methyltransferase that methylates pseudouridine at position 1248 (Psi1248) in 18S rRNA. Involved the biosynthesis of the hypermodified N1-methyl-N3-(3-amino-3-carboxypropyl) pseudouridine (m1acp3-Psi) conserved in eukaryotic 18S rRNA. Is not able to methylate uridine at this position. Has also an essential role in 40S ribosomal subunit biogenesis independent on its methyltransferase activity, facilitating the incorporation of ribosomal protein S19 during the formation of pre-ribosomes.[UniProtKB/Swiss-Prot Function]