

Product datasheet for **MC203726**

Mrpl18 (NM_026310) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl18 (NM_026310) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrpl18
Synonyms:	1010001C05Rik; C79879; HSPC071; MRP-L18
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC011425 GTTCCCCGAGACGACCCTGAGCAAAGGATAGGGCACTGTGTGACTTTGCCAGGTCCCGTCAGCCAT GGCGCTTCGGCCGCGTTCTGGAATGTCTGTCAGTTTGCAGAAACTGGAGTGTGGTTTCGAGCCCTC TCAACCAGTTCGGTCCCGCCGTGAGCCCGACGTGGAGAGTAAGGAAAACGAAGCGGTGGCCCGGAGT TCACCAACCGGAACCCTCGGAATCTGGAGCTCTTAGGGGTAGCTCGAAAAGAACGGGGCTGGGCTACCGT GTGGCCTAACCGTGAAGTCTGGCACAGTTGCGAGTTGTAAAGACTCAGCATCACGTAGAAGCATTGT GAGCATCTAACGGCCAGTTGTGTTTCAGCATCCACTCGAGAATGGGCTATTAACAAAACACCTTTATA GTACCAGAAACGTGGTGGCTTGTGAGAGCATTGGGCGAGTGTGGCACAGCGGTGCTTAGAAGCAGGAAT CAACTTCATGGTCTACCAGCCACCCCGTGGGAGGCGTCTCAGACTCGATAAACGTTTACAAAATGCC ATGACAGAAAGTGGCGTGATGCTTCGGGAGCCTCGAAGAATCTATGAATGAAATAGAAGTGTAACTGTT GTTGGCAGTGTAATATAAACTACCATCTACAGCCACCAAGGAAAGCATCTGCATTAAGGAAGAAAG GAAGGAAGGAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_026310
Insert Size:	543 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC011425](#), [AAH11425](#)

RefSeq Size: 724 bp

RefSeq ORF: 543 bp

Locus ID: 67681

UniProt ID: [Q9CQL5](#)

Cytogenetics: 17 A1

Gene Summary: Together with thiosulfate sulfurtransferase (TST), acts as a mitochondrial import factor for the cytosolic 5S rRNA. The precursor form shows RNA chaperone activity; is able to fold the 5S rRNA into an import-competent conformation that is recognized by rhodanese (TST). Both the cytoplasmic and mitochondrial forms are able to bind to the helix IV-loop D in the gamma domain of the 5S rRNA (By similarity).[UniProtKB/Swiss-Prot Function]