

Product datasheet for **MC210762**

Mrpl28 (NM_024227) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrpl28 (NM_024227) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mrpl28
Synonyms:	1110015G04Rik; L28mt; MAA; MAAT1; MRP-L28; p1; p15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210762 representing NM_024227 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCGCTGCACAGGTATCCTGTGCACCTGTGGCAGAAGCTGCGGCTGCGGCAGGGCATCTGTGCGCGCT
TGCCCCGCCCACTTCTTGCCTCACTGGAAGAAGAACGGACGCCGACCCCGGTACACTACAAACCTCACGG
GACCAAGTTCAAGATCAACCCCAAGAATGGGCAGCGCAGCGCTTGAGGACGTACCCATTCCAGTTCAC
TACCCTCCAGAGTCCCAGCAGGGACTGTGGGTGGAGAGGGCTTGATTTTAGGCTACAGATACGCCAACA
ACGACAAGCTCTCCAAGAGGGTGAAGAAGGTGTGGAAGCCACAGCTGTTCCTCGGGAGCTTTACAGTGA
AATCCTGGACAAGAAGTTCACCGTGACTGTGACCATGAGGACCCCTGGATCTCATCGATGAGGCCTATGGA
TTTGACTTCTATATTCTCAAGACCCCTAAGGAGGACCTGGGCTCCAAGTTTGGCATGGACCTGAAGCGAG
GGATGCTGCTGAGGCTTGCTCGCCAGGACCCCATCTCCACCCTGAGAACCCTGAGCGGAGAGCAGCCAT
CTATGACAAGTACAGGAGCTTTGTATCCCCGAGGCAGAGGCCGAGTGGGTTGGCCTGACGCTGGAGGAG
GCCCTGGAGAAACAGAGGCTTCTGGAGGAAAAGGACCCCTGTACCCCTGTTCAAGGTCTACGTAGAGGAGC
TGGTCCAGCGGCTTCAGGAGCAGGTTCTGTCCAGGCCCGCAGTGGTGCAGAAGAGAGCCGGTGACCACGC
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_024227
Insert Size:	774 bp



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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).
Reconstitution Method:	<ol style="list-style-type: none"> 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_024227.3</u> , <u>NP_077189.2</u>
RefSeq Size:	1080 bp
RefSeq ORF:	774 bp
Locus ID:	68611
UniProt ID:	<u>Q9D1B9</u>
Cytogenetics:	17 A3.3
Gene Summary:	<p>Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. [provided by RefSeq, Jul 2008]</p>