

Product datasheet for **MC212688**

Mrps27 (NM_173757) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrps27 (NM_173757) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrps27
Synonyms: 2610028H14Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212688 representing NM_173757
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCGGCTCCCATGGTGC GG TGGGATGCTCCTGGCTCGGCGACTAGACGCGTCTCGCCTTTGCCTCG
 CAGGTAAGATGCCTGCTTTCTGCAGCGTACGTGGACAGCCACCAGTGGGAAGCCAGAGAGAAGGAGGA
 ATACCATCTGGCTGATCTTGCATCCTTAATGGACAAAGCGTATGAAAGAAAATTGCCTGTTAGTTCTTTA
 TCAATATCACGGTTTGTGGACAACATTGCATCCCGAGAAGATCTAGATTCTGCAGAGTACTATCTTTACA
 AATTTGCACACAGTCCCAACTGCTGGTACCTAAGAGACTGGACCATCCACAGCTGGATTAGACAGTGTCT
 GAAATACGGAGCACAAGACAAAGCCTTGTATACACTTGTAAAGGTTCAAGTATGGAATTTTCCAGAT
 AACTTTACATTCAACTTACTGATGGATTATTTCAAAAGAAAGGAAATTACAAAGATGCTTTATCCGTGG
 TTTTGGAGATCATGATGCAAGAAGCCTTTGACGTGCCGTCCACCCAGTTTCTCTCCCTCTATGTTTTATA
 CCGTTGCCCTAGCAGAGAAGACGGAGCTCACATGGGAAGAAGAAAGAGACTTTGGGGCGTCCCTCTTGCTT
 TCTGGCCTGAAACAAAGGAACACAGTGGGCCTGAGTCCCAGCTGTATGGCTATGCACTTCTCGGGAAGG
 TGGAACTGCAGCGTGGGGTGGGGTGTATACCACGGCATGCCCTGATGTGGACACCAGGCTACCTCGA
 CAGAGCCCTCCAAGTATGAGAGGGTGGCCTCCTCCCTGAAGACCTCAAGCTGGGTAGAGAAGTGCTC
 GATGTGCTGGATGGAGTCTGAAGTGGTGACGCTCCAGATGTCCAGACTTCAGAGGCACAGCCTCAGG
 AAGGTGAAGATGGCTTGGGCTCAGCAAACCTGGTGGAGCAGCTAGACACTGAGGAACCAGAACAGTCCAA
 GCTTCCCCGATACCTCGAGCGCTTTCAGGCCTCTCGGTCTAAACTGCAGGAGCTGAACAGAGTTGAGTCT
 GAAAGTCTTTGACTCTGACCACCCAGCTTGTAAAAGAAAACTCCCCGCTGTGAGGCCGAGGACCTGG
 CCACCTACGAGCAGAACTCCGTGAGTGGCACCTGGAGCGGTGCAGTTGATCCAGAGGGAGCAGGAACA
 GAGGGAGAAGGCCAAGCAAGAGTACCAGGCGCTGAGTGC GGCAGAGAAAGCAGCC**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_173757
Insert Size:	1248 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).
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.
RefSeq:	<u>NM_173757.3</u> , <u>NP_776118.2</u>
RefSeq Size:	1849 bp
RefSeq ORF:	1248 bp
Locus ID:	218506
UniProt ID:	<u>Q8BK72</u>
Cytogenetics:	13 D1
Gene Summary:	RNA-binding component of the mitochondrial small ribosomal subunit (mt-SSU) that plays a role in mitochondrial protein synthesis. Stimulates mitochondrial mRNA translation of subunit components of the mitochondrial electron transport chain. Binds to the mitochondrial 12S rRNA (12S mt-rRNA) and tRNA(Glu). Overexpressed in hepatocellular carcinoma tissues compared with adjacent non-tumoral liver tissues.[UniProtKB/Swiss-Prot Function]