

Product datasheet for **MC217989**

Mrps27 (BC049149) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrps27 (BC049149) 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: >BC049149
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGCAAGAAGCCTTTGACGTGCCGTCCACCCAGTTTCTCTCCCTCTATGTTTTATACCGTTGCCTAG
CAGAGAAGACGGAGCTCACATGGGAAGAAGAAAGAGACTTTGGGGCGTCCCTCTTGCTTTCTGGCCTGAA
ACAAAGGAACACAGTGGGCCTGAGTTCCAGCTGTATGGCTATGCACTTCTCGGAAGGTGGAAGTGCAG
CGTGGGGTGGGGCTGTATACCACGGCATGCCTCTGATGTGGACACCAGGCTACCTCGACAGAGCCCTCC
AAGTGATGGAGAGGGTGGCCTCCTCCCCTGAAGACCTCAAGCTGGGTAGAGAAGTCTCGATGTGCTGGA
TGGAGTCTGAAGGTGGTACGTCTCCAGATGTCCAGACTTCAGAGGCACAGCCTCAGGAAGGTGAAGAT
GGCTTGGGCTCAGCAAACCTGGTGGAGCAGCTAGACACTGAGGAACCAGAACAGTCCAAGCTTCCCCGAT
ACCTCGAGCGCTTTCAGGCCTCTCGTCTAAACTGCAGGAGCTGAACAGAGTTGAGTCTGAAAGTCTTTT
GACTCTGACCACCCAGCTTGTAAGAAAAAACTCCCCGCTGTGAGGCCGAGGACCTGGCCACCTACGAG
CAGAAACTCCGTGAGTGGCACCTGGAGCGGGTGCAGTTGATCCAGAGGGAGCAGGAACAGAGGGAGAAGG
CCAAGCAAGAGTACCAGGCGCTGAGTGGGCAGAGAAAGCAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Restriction Sites: SgfI-MluI
ACCN: BC049149
Insert Size: 747 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:	BC049149 , AAH49149
RefSeq Size:	1833 bp
RefSeq ORF:	746 bp
Locus ID:	218506
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]