

Product datasheet for **MC200489**

Rpsa (BC003829) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Rpsa (BC003829) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Rpsa |
| Synonyms: | MLR, P40, 67kDa |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >BC003829 GGGGACGGGTCCATACGGCGTTGTTCTTGATTCCCATCGTAACTTAAAGGAAAATTACACAATGTCCGG AGCCCTTGACGTCTGCAGATGAAGGAGGAGATGTCTCAAATTCCTTGCTGCGGGAACCCACTTAGGT GGCACC AACCTTGACTTTCAGATGGAGCAGTACATCTACAAAAGGAAAAGTGACGGTATCTACATCATAA ACCTGAAGAGGACCTGGGAGAAGCTGTTGCTCGCAGCTCGAGCTATTGTTGCCATCGAGAATCCTGCTGA CGTCAGCGTCATCTCCTCCAGGAACACTGGCCAGCGAGCTGTGCTGAAGTTTGCTGCTGCCACAGGAGCC ACTCCGATCGCTGGCCGCTTCACACCTGGGACCTTCACTAACCAGATCCAAGCAGCCTTCAGGGAGCCAC GGCTTCTAGTGGTGACCGATCCCAGGGCTGACCATCAGCCACTCACAGAGGCCTTTATGTCAACCTGCC CACCATTGCTCTGTGAACACAGATTCTCCCCTGCGCTATGTGGACATTGCCATCCCATGCAACAACAAG GGAGCTCACTCAGTGGTCTGATGTGGTGGATGTGGCCAGGGAAGTACTCCGCATGCGAGGTACTATCT CCCGTGAGCACCCCTGGGAGGTCATGCCTGATCTTTACTTCTACAGAGACCCAGAGGAGATTGAGAAGGA GGAGCAGGCTGCTGCTGAGAAGGCTGTGACCAAGGAGGAATTCCAGGGTGAATGGACCGCACCAGCTCCT GAGTTCAGTCTGCTCAGCCTGAGGTGGCCGACTGGTCTGAGGGTGTGCAGGTTCCCTCTGTGCCATCC AGCAGTCCCCACGGAAGACTGGAGTGCACAGCCAGCCACTGAGGATTGGTCAGCAGCTCCCACAGCGCA GGCCACTGAGTGGGTTGGAGCCACCACTGAGTGGTCTGAGCTGCTGTGCAGGTGCCTGAGCAAAGGGAA AAAAAGATGGAAGGAAAATAAAGTTGCTAAAAGCTGTCTTATGGTCTCAAAAAAAAAAAAAAAAAAAAAA AAAA |
| Restriction Sites: | RsrII-NotI |
| ACCN: | BC003829 |
| Insert Size: | 888 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). |



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| 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>BC003829</u> , <u>AAH03829</u> |
| RefSeq Size: | 1054 bp |
| RefSeq ORF: | 888 bp |
| Locus ID: | 16785 |
| Cytogenetics: | 9 71.41 cM |
| Gene Summary: | Required for the assembly and/or stability of the 40S ribosomal subunit. Required for the processing of the 20S rRNA-precursor to mature 18S rRNA in a late step of the maturation of 40S ribosomal subunits. Also functions as a cell surface receptor for laminin. Plays a role in cell adhesion to the basement membrane and in the consequent activation of signaling transduction pathways. May play a role in cell fate determination and tissue morphogenesis. Also acts as a receptor for several other ligands, including the pathogenic prion protein, viruses, and bacteria. Acts as a PPP1R16B-dependent substrate of PPP1CA (By similarity). Enables malignant tumor cells to penetrate laminin tissue and vessel barriers. Activates precursor thymic anti-OFA/iLRP specific cytotoxic T-cell. May induce CD8 T-suppressor cells secreting IL-10.[UniProtKB/Swiss-Prot Function] |