

Product datasheet for **MC208039**

Prkar1a (NM_021880) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Prkar1a (NM_021880) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Prkar1a |
| Synonyms: | 1300018C22Rik; R; R1alpha; Tse; Tse-; Tse-1; Tse1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_021880, the custom clone sequence may differ by one or more nucleotides |

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ATGGCGTCTGGCAGTATGGCAACCACTGAGGAAGAGCGGAGTCTCCGGAATGCGAGCTCTATGTGCAGA
AGCACAATATCCAGGCCCTGCTGAAGGACTCCATCGTGCAGCTGTGCACTACGCGCCCCGAGAGGCCCAT
GGCATTCTTCGGGAATACTTTGAGAGTTGGAGAAGGAGGAGGCAAGACAGATTCAGTGTCTACAGAAA
ACCGGCATCCGTACTGACTCGAGGGAGGACGAGATCTCTCCTCCACCCCCAATCCAGTGGTGAAGGGCC
GACGGCGCCGAGGTGCTATCAGTGTGAAGTTTACTGAGGAGGATGCTGCCTCCTACGTTAGAAAAGGT
TATTCAAAAGATTATAAGACAATGGCTGCTTTAGCCAAGGCCATCGAAAAGAATGTGCTGTTTTACAC
CTTGATGATAACGAGAGAAGTGACATTTTTGATGCTATGTTCCAGTCTCCTTTATTGCTGGAGAGACGG
TTATTCAGCAAGGTGATGAAGGGGATAACTTCTATGTGATTGATCAAGGAGAAATGGATGTCTATGTCAA
TAATGAATGGGCAACCACTGTTGGGGAAGGAGGGAGCTTTGGAGAGCTGGCTTTGATTTATGGAACACCC
AGAGCAGCCACTGTCAAAGCAAAGACAAACGTGAAACTGTGGGCATCGACCCGAGACAGCTACCGAAGAA
TCCTCATGGGAAGCACTCTGCGAAAGAGGAAGATGTATGAAGAATTCCTTAGTAAAGTGTCTATTTAGA
GTCTCTGGACAAGTGGGAGCGTCTCACAGTAGCCGATGCATTGGAGCCTGCCAGTTTGAAGATGGACAG
AAGATCGTGGTGAAGGAGAGCCGGGGGATGAGTTCTTCATCATTTTAGAGGGCACAGCTGCTGTGCTGC
AGCGTCGGTCAGAAAACGAAGAATTTGTTGAAGTGGGACGACTGGGGCCTTCTGATTATTTGGTGAAT
TGCCCTGCTGATGAATCGTCTCGGGTGCCACTGTGGTTGCCCGGGCCCTTTGAAGTGGTAAAGTTG
GACCGGCCTCGGTTTGAACGCGTCTTGCCCGTGCTCAGACATCCTCAAGCGGAACATCCAGCAGTACA
ACAGCTTCGTGTCCTGTCCGTCTGA
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| Restriction Sites: | Sgfl-RsrII |
| ACCN: | NM_021880 |
| Insert Size: | 1146 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. |
| RefSeq: | BC003461 , AAH03461 |
| RefSeq Size: | 3313 bp |
| RefSeq ORF: | 1146 bp |
| Locus ID: | 19084 |
| UniProt ID: | Q9DBC7 |
| Cytogenetics: | 11 72.33 cM |
| Gene Summary: | <p>The encoded protein is a regulatory subunit of the cAMP-dependent protein kinase (PKA) complex, which is responsible for transducing most of the cAMP signals in eukaryotic cells. The inactive PKA complex contains two regulatory and two catalytic subunits. Binding of cAMP dissociates the complex, allowing monomeric catalytic subunits to phosphorylate cytosolic proteins or induce gene expression in the nucleus. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All five variants encode the same protein.</p> |