

Product datasheet for **MC200908**

Prkcsh (BC009816) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcsh (BC009816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prkcsh
Synonyms:	80K-H; PKCSH
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC009816
 CCACGCGTCCGATTGACCTTTGCCTCTACCTCGTTGAGAGGCCATCGCGTATCTTCTGCCGCATAACAC
 ACTTCCGGTCTCGGCCCGGACGGGATGTGCTGCTGCTACTACTACTACCCCTCTGTTGGGCTGTAG
 AAGTCAAGAGACCCCGGGCGTTTCCCTCAGCAACCATCACTTCTATGAAGAATCTAAACCTTTCACCTG
 TTTGGACGGCACAGCCACCATCCCATTCGATCAGGTGAACGACGACTACTGCGACTGTAAGGACGGTTCA
 GATGAGCCTGGCACAGCTGCTTGTCCCAATGGCAGCTTTCCTGACCAACACTGGGTACAAGCCCTTGT
 ACATCCTCTCCAGCCGGTCAATGATGGGTATGTGACTGCTGTGATGGCACAGACGAGTACAACAGCGG
 CACGGTCTGCGAGAACCTGCAGAGAGAAGGGTCGCAAGGAAAAAGAGTCCCTGCAGCAGCTGGCGGAA
 GTCACCCGTGAAGGGTCCGCTGAAGAAGATTCTCATTGAGGAGTGGAAGACAGCCCGGGAAGAAAAGC
 AGAGTAAGCTTCTGAGCTTCCAGGCTGGAAGAAGTCTCTGGAAGACCAGGTAGAAAACACTGCGGGCAGC
 GAAAGAAGAAGCAGAGAGGCCAGAGAAGGAGGCCAAGGACCAGCACCGGAAGCTGTGGGAAGAGCAGCAA
 GCTGCTGCCAAGGCCCGGGAACAGGAGCGGGCAGCCAGTGCCTTCCAGGAACCTGACGACAACATGG
 ATGGGATGGTCTCGCTGGCTGAGTTACAGACTCACCCGGAGCTGGACACAGATGGAGATGGAGCGCTGTC
 TGAGGAGGAGGCCAGGCCCTTCTCAGTGGAGACACAGACTGACACCCTCTTCTATGACCGTGTCT
 TGGGCTGCCATCAGGGACAAGTACCGCTCTGAGGTCCCGCCACTGACATACCTGTTCCGGAGGAGACTG
 AGCCCAAAGAGGAAAAGCCACCAGTGTGCCACCACAGAGGAGGAGGAAGAGGAGGAGGAGGCCAGA
 AGAAGAGGAGGAGGAAGAGGAAGAGGAGGAGGTGCAAGGGGAGCAGCCAAAGGAGCTCCGCCCCACTG
 CAGCCCCACAGCCTCCAGCCCCACAGAGGATGAGAAGATGCCGCCCTATGATGAGGAGACCCAGGCCA
 TCATCGATGCTGCACAGGAGGCCGGAGTAAGTTTGAGGAAGTCGAACGGTCTTGAAGAGATGGAAGA
 GTCCATCAGGAGTTTGAACAAGAGATCTCTTTGATTTCCGGTCCCTCTGGAGAGTTTGCATATCTCTAC
 AGCCAATGCTACGAGCTCACCACCAATGAGTACGTCTACCGGCTTTGCCCTTCAAAGTGGTCTCCAGAA
 AACCCAAACATGGGGCTCCCGACCAGCCTGGGCACATGGGGCTCTGGGCTGGCCCTGATCATGACAA
 GTTCAGTGGGATGAAGTACGAGCAGGGCAGGGCTGTTGGCAGGGCCCAACCGATCCACCACAGTGGC
 CTGCTGTGGCAAAGAGACTGTGGTGACCAGCACACGAGCCAGTCCGCTGTGAGTACCTCATGGAGC
 TGATGACACCAGCAGCCTGCCAGAGCCGCCACAGAAGCACCCAGTGTGATGGGGACCATGACGAGCTGTA
 GCCTGAACCTCAAGGCCTGCAACCACTACTGATCCTGAAGTCTGCAGACCAAGGCCTGCCACCCTGG
 GCTTCTGGCCATCCTCTGGGAAGCAGGAACCCTGAGGGGCTCTAAGCCCACTTCTGGCCAGGCTTGC
 CAAGCCATGTTCTGAGGCCAGTGGCTCCAGAGATGAATAATGAGCTCGCTACCTTGGATTCTTAA
 GGGGAGTAGTCCCTGCACCCACCTCACCCCTGCCTCCCGGCTGGTGGGAGATAAATGGATGACTTGAC
 CTGTGACCTCAGAACAAATAATGTGACTGTCCAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: BC009816

Insert Size: 1587 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:**
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: [BC009816](#), [AAH09816](#)

RefSeq Size: 2011 bp

RefSeq ORF: 1587 bp

Locus ID: 19089

Cytogenetics: 9 8.04 cM

Gene Summary: Regulatory subunit of glucosidase II that cleaves sequentially the 2 innermost alpha-1,3-linked glucose residues from the Glc(2)Man(9)GlcNAc(2) oligosaccharide precursor of immature glycoproteins (PubMed:27462106, PubMed:9148925). Required for efficient PKD1/Polycystin-1 biogenesis and trafficking to the plasma membrane of the primary cilia (PubMed:21685914). [UniProtKB/Swiss-Prot Function]