

Product datasheet for **MC228181**

Prkcsh (NM_001293650) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prkcsh (NM_001293650) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Prkcsh
Synonyms:	80K-H; PKCSH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228181 representing NM_001293650
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGCTGCTGCTGCTACTACTACTACCCTCTGTTGGGCTGTAGAAGTTAAGAGACCCCGGGCGTTT
 CCCTCAGCAACCATCACTTCTATGAAGAATCTAAACCTTTACCTGTTTGGACGGCACAGCCACCATCCC
 ATTCGATCAGGTGAACGACGACTACTGCGACTGTAAAGGACGGTTCAGATGAGCCTGGCACAGCTGCTTGT
 CCCAATGGCAGCTTTCAGTGCACCAACTGGGTACAAGCCCTGTACATCCTCTCCAGCCGGTCAATG
 ATGGGGTATGTGACTGCTGTGATGGCACAGACGAGTACAACAGCGGCACGGTCTGCGAGAACACCTGCAG
 AGAGAAGGTCGCAAGGAAAAAGAGTCCCTGCAGCAGCTGGCGGAAGTACCCCGTGAAGGGTCCGCTG
 AAGAAGATTCTATTGAGGAGTGAAGACAGCCCGGAAGAAAAGCAGAGTAAGCTTCTTGAGCTTCAGG
 CTGAAAGAAGTCTCTGGAAGACCAGGTAGAAACTGCGGGCAGCGAAAGAAGAAGCAGAGAGGCCAGA
 GAAGGAGGCCAAGGACCAGCACCAGGAGCTGTGGGAAGAGCAGCAAGCTGCTGCCAAGGCCCGGGGAA
 CAGGAGCGGGCAGCCAGTGCCTTCCAGGAAGTACGACAAACATGGATGGATGGTCTCGCTGGCTGAGT
 TACAGACTCACCCGGAGCTGGACACAGATGGAGATGGAGCGCTGTCTGAGGAGGAGGCCAGGCCCTTCT
 CAGTGGAGACACAGACTGACACCACCTCTTATGACCGTGTCTGGGCTGCCATCAGGGACAAGTAC
 CGCTCTGAGGTCCCGCCACTGACATACCTGTTCCGGAGGAGACTGAGCCCAAAGAGGAAAAGCCACCAG
 TGTTGCCACCCACAGAGGAGGAGGAAGAGGAGGAGGAGGCCAGAAGAAGAGGAGGAGGAAGAGGAAGA
 GGAGGAGTGCAGGGGAGCAGCCCAAGGAGGCTCCGCCCCACTGCAGCCCCACAGCTCCCAGCCCC
 ACAGAGGATGAGAAGATGCCGCCCTATGATGAGGAGACCCAGGCCATCATCGATGCTGCACAGGAGCCC
 GGAGTAAGTTTGAGGAAGTCGAACGGTCTTGAAGAGATGGAAGAGTCCATCAGGAGTTTGAACCAAG
 GATCTCCTTTGATTTTCGGTCCCTCTGGAGAGTTTGCATATCTCTACAGCCAATGCTACGAGCTACCACC
 AATGAGTACGCTACCGCTTTGCCCTTCAAACCTGGTCTCCAGAAACCAAACATGGGGCTCCCCGA
 CCAGCCTGGGCACATGGGGCTCCTGGGCTGGCCCTGATCATGACAAGTTCAGTGCATGAAGTACGAGCA
 GGGCACGGGCTGTTGGCAGGGCCCAACCGATCCACCACAGTGCAGCTGCTGTGTGGCAAAGAGACTGTG
 GTGACCAGCACCAGGAGCCAGTCGCTGTGAGTACCTCATGGAGCTGATGACACCAGCAGCTGCCAG
 AGCCGCCACCAGAAGCACCAGTATGGGGACCATGACGAGCT**GTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001293650

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001293650.1</u> , <u>NP_001280579.1</u>
RefSeq Size:	2086 bp
RefSeq ORF:	1587 bp
Locus ID:	19089
UniProt ID:	<u>O08795</u>
Cytogenetics:	9 8.04 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).</p>