

Product datasheet for **MC203724**

Pkm (NM_011099) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pkm (NM_011099) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pkm
Synonyms:	AA414905; AL024370; AL024424; Pk-2; Pk-3; Pk3; Pkm2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC016619
 GTCCGCTCTAGGTATCGCAGCAGGAACCGAAGTACGCCCGAGGACTTCAGGAACCATGCCGAAGCCACAC
 AGTGAAGCAGGGACTGCCTTCATTTCAGACCCAGCAGCTCCATGCAGCCATGGCTGACACCTTCTGGAAC
 ACATGTGCCGCCTGGACATTGACTCTGCCCCATCACGGCCCGCAACACTGGCATCATTTGTACCATTGG
 GCCTGCTTCCCGATCTGTGGAGATGCTGAAGGAGATGATTAAGTCTGGAATGAATGTGGCTCGGCTGAAT
 TTCTCTCATGGAACCCATGAGTACCATGCAGAGACCATCAAGAATGTCCGTGAAGCCACAGAAAGCTTTG
 CATCTGATCCCATTTCTTACCGTCTGTTCGGTGGCTCTGGATACAAAGGGACCTGAGATCCGGACTGG
 ACTCATCAAGGGCAGCGCACCGCTGAGGTGGAGCTGAAGAAGGGAGCCACTCTGAAGATACCCTGGAC
 AACGCTTACATGGAGAAGTGTGACGAGAACATCCTGTGGCTGGACTACAAGAACATCTGCAAGGTGGTGG
 AGGTGGGAGCAAGATCTACGTGGACGATGGGCTCATCTCACTGCAGGTGAAGGAGAAAGGCGTGAAGT
 CCTGGTACGAGGTGGAGAATGGTGGCTCCTTGGGAGCAAGAAGGGCGTGAACCTGCCGGGCGTGTCT
 GTGGATCTCCCGCTGTGTCGAAAAGGACATCCAGGACCTGAAGTTGGGGTGGAGCAGGATGTGGACA
 TGGTGTTCATCTTTCATCCGCAAGGCAGCCGACGTGCATGAAGTCAGGAAGGTGCTGGGAGAGAAGGG
 CAAGAACATCAAGATCATCAGCAAAATCGAGAACCATGAAGGCGTCCGAGGTTTGTGAGATCTTGGAG
 GCCAGTGTGGGATCATGGTGGCTCGTGGTGCCTGGGACCTGAGATTCTGCAGAGAAGGTCTTCTCTGG
 CTCAGAAGATGATGATCGGGCGATGCAACCGAGCTGGGAAGCCTGTCATCTGTGCCACACAGATGCTGGA
 GAGCATGATCAAGAAGCCACGCCCCACCGTGCTGAAGGCAAGTGTGGCCAATGCAGTCTGGATGGA
 GCAGACTGCATCATGCTGTCTGGAGAAACAGCCAAAGGGGACTACCCTCTGGAGGCTGTTTCGCATGCAGC
 ACCTGATTGCCGAGAGGCAGAGGCTGCCATCTACCACTTGCAGCTATTCGAGGAACTCCGCCGCTGGC
 GCCATTACCAGCGACCCACAGAAGCTGCCGCCGTGGTGGCGTGGAGGCTCCTTCAAGTGTGCAGT
 GGGGCCATTATCGTGTCAACAGTCTGGCAGGAGTGTCAACAGTGGCCAGGTACCGCCCTCGGGCTC
 CTATCATTGCCGTGACTCGAAATCCCCAGACTGCTCGCCAGGCCATCTGTACCGTGGCATCTTCCCTGT
 GCTGTGTAAGGATGCCGTGCTGAATGCCCTGGGCTGAGGATGTCGACCTTCGTGTAACCTTGGCCATGGAT
 GTTGGCAAGGCCCGAGGCTTCTTCAAGAAGGGAGATGTGGTCATTGTGCTGACCGGGTGGCGCCCTGGCT
 CTGGATCACCAACACCATGCGTGTAGTGCCTGTACCTTGATGGCCCTCTGGAGCCCTCTTCTAGCCCC
 TGTCCCTTCCCCTCCCCTATCCTTTCCATTAGGCCAGCAACGCTTGTAGTGTCACTCTGGGCCATAGTG
 TGGCGCTGGTGGGCTGGGACACCAGGAAAATTAATGCCTCTAAAACATGCAATAGAGACCAGCTATTAT
 TCAGGGCCCTACCTGAGCCAGGGGTGGAGGAGGAATGCAGGACTGGAAACCCTGACTTTATCACAGAAGG
 GCGGCAGCATCTCTGGGCTTTGCTTCTGTAGAAAGTTGTCAGAATCCCAGCCCTAGCCTGGAGTCAGGA
 GACAGCAAAAGAGTAGGGGCTGAGGGTGTGGGGCCAGGGTCCCAGTGTAGATGACGACTTCTGGCCCTG
 GCCCTGACCTGCTTCCCAACAGCTTTGGCCTCCCACCTTCTTGTGCACTCCACTTCTGTCACTGCAGAC
 ACTCCACTCTCCACCTTGTATTCTGCAGAGTCTCCAGGCCTGTTGCTATAGTGCCACCTGAATGTCAAT
 AACACGACGCTGAAGCACCTGTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011099
Insert Size: 1596 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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: [BC016619](#), [AAH16619](#)

RefSeq Size: 2212 bp

RefSeq ORF: 1596 bp

Locus ID: 18746

UniProt ID: [P52480](#)

Cytogenetics: 9 32.03 cM

Gene Summary: Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP (By similarity). Stimulates POU5F1-mediated transcriptional activation (By similarity). Promotes in a STAT1-dependent manner, the expression of the immune checkpoint protein CD274 in ARNTL/BMAL1-deficient macrophages (PubMed:29996098).[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) lacks an in-frame exon and contains an alternate in-frame exon in the coding region, compared to variant 1. The encoded isoform (M2) is identical in length to isoform M1, but has a different sequence.