

Product datasheet for **MC221404**

Plekhm3 (NM_001039493) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekhm3 (NM_001039493) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plekhm3
Synonyms:	9430067K14Rik; A230102O09Rik; AI449570; DAPR; Plekhm1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221404 representing NM_001039493
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGCTTTGGAAGTAGATGACATCAGCCCCGCTTAGAGGTTACTGAGGATTTCTTTAGTACTTTTG
 ACAGTAAGCTGGAAAAGGCTGTCCAACAAGCAGAGGTTTACGGGATCCAAGAAAGTCCCTGAACTGGTGGG
 GCATGAGGTACTTGGTAACATAGCAGATAATGGTGCTTTAAGAAGCGTTGCTTCCCTGGGCAAGGGGACA
 ATGATTTGGGACCACTGTAAGAGCAGGCTTTAGAAAACCAAGCTCAAAATGTCTTCCCTGCCAAAGAAC
 AGCTTATGGTCCAGAGAGGGACAGCCCCAGATAATCTTTCCTGGATGGCACAAAAGGAAGCGTCAACCTT
 CAATTTTTTCAACATCTGTCAGCGTCGGAGGGACAGACCTCGTTCGTGAATGACTTATTGGATGAGACC
 ACAACTTTCAAGCCAGGCCATGCTCGGTCAAGGTCGGATGTTACCCACGTAGACTGGCGGGTAGTCTTAA
 GCACCATGCCTTTGCAGCAGCAGCAGCAGCAGCAGCAGGCGTCCCTTCAAGGCATTCACCTTCCCGGGCC
 ATCTTTTCTGTTGTCTTACCCAGCAAGGTTGAAGATGCTCAAGGAAATACAGAACAAGCAGACATTC
 CCAAACATCCTGAAGAAGGGTTATCTGGAGATCAGGAAGAACCATGACAGTACTGGCAGAGCTGTTATG
 CAGAACTCTCACCTACAACCTAACTTCTACAGCCTTGATAGCAGTGGCAATCAAAACCTGTATGCCAC
 ATACCAGCTTTCCCACTTCCAGAGCATCTCTGTTTTAGGCAATCTTGAAGCTAGGATGGTAGACTGTT
 CTCTATGACAATTCTCAACTGCAGCTAAAGGCAGAGTCTCCATGGGAGGCATTGGACTGGGGCAGAAGC
 TCTGGGAAGTCGTGCATGCTGCTGTACCAATTACATGGGACGGCAGGGTGAGATGGCAAACCTCCAGG
 ACTCATCCATCATGGTACTGTGCACAGAACCACTGTTTACAGAAGAAAATCCAGTGGGCTGCTGGCTCC
 CCTGTCTTGGATAGCCCCAACAGTACAAAATATCCTCAAATCAGGGACACTCTACAGACTGACTGTCC
 AAAACAACCTGGAAGGCCTTTACATTTGTGCTGAGCAAGGCCTATCTTATGGCTTTCCACCCCGCAAGT
 AGACGAAGATCCCCTGTTGAGCTACAATGTGGATGTGTGCTGGCTGTGCAGATAGACAACCTGGATGGT
 TGTGACTCTGCTTTCAAGTCATTTTTCCCGAGGATGCTCCTCCGCTCCGGGCTGAGACCCGACAGAGGG
 CTCAGGAATGGATGGAGGCTCTGAAGACAGCAGCAACGCTGCAAGGAGTTCTGAGCAAAACCTGCAAGT
 CACACTGCGGAACAAGCCCAAGGATCAGCTAGATGGCCGCGAGCTGCGGAAGAACAACGCCAGTCTGTG
 ACCACCAGCTTCCCTGAGCATCCTGACCACGCTGTCTTTGGAGCGAGGACTCACTGCTCAGAGTTTCAAAT
 GTGCAGGGTGCCAGCGATCTATTGGTCTCTAACGAAAGGCCAAGGTGTGCAATTATAGCGGGTGGTA
 CTACTGCAGCAGTGCCATGTGGACGACAGCTTCTCATCCAGCAGCATAGTTCACAACTGGGACACC
 TCAAAATACAAGGTATCCAAGCAGGCCAAGGAGTTTCTGGAGTATGTGTACGAAGAACCTCTGATCGACA
 TCCAGCAGGAGAACCCCATGCTGTACCTCCATGCTGAGCCACTGGCCACCCTGTACGGCTTCGACAGCG
 GTTGAAGTCACTCCGGGCTATTTGTTAGCTGCCGGGACAGCAGTGGCGGAGGATCTGCGCCGAGAATT
 TTCCCCAGAGAATATCTCCTTCAACAGATCCACCTGACTCTCTCGCTGACCTGCAGCAGGTGATAGAGG
 GAAAGCTGGCTCCATTCTTGGGAAAGGTCATTAATTCGCCACCGCGCATGTCTACAGCTGCAGTCTCTG
 TAGCCAGAAAGGGTTCATCTGTGAGATCTGTAACAACGGCGAGATCCTCTACCCCTTCGAGGACATTTCA
 ACAAGCAGATGTGAAAGCTGTGGAGCTGTCTTCCATTCTGAGTGCAAAGAAAAGTCTGTCCCCTGCCAC
 GGTGTGTCGACGGGAAGTGCAGAAGAAGCAGAAGTCTTCTGGCGCAGCTGAACGTGGACGAGAGCCT
 GGAGGAGGCATGCGCCATGTTTCGAGCTGTCTACCAAAGCACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001039493
Insert Size: 2286 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:	<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:	NM_001039493.1 , NP_001034582.1
RefSeq Size:	8562 bp
RefSeq ORF:	2286 bp
Locus ID:	241075
UniProt ID:	Q8BM47
Cytogenetics:	1 C2
Gene Summary:	Involved in skeletal muscle differentiation (PubMed:19028694). May act as a scaffold protein for AKT1 during muscle differentiation (PubMed:19028694).[UniProtKB/Swiss-Prot Function]