

## Product datasheet for RR217426

### Plekhm2 (NM\_001191767) Rat Tagged ORF Clone

#### Product data:

|                          |  |
|--------------------------|--|
| Product Type:            | Expression Plasmids  |
| Product Name:            | Plekhm2 (NM_001191767) Rat Tagged ORF Clone                                    |
| Tag:                     | Myc-DDK  |
| Symbol:                  | Plekhm2  |
| Vector:                  | pCMV6-Entry (PS100001)   |
| E. coli Selection:       | Kanamycin (25 ug/mL)   |
| Cell Selection:          | Neomycin   |
| ORF Nucleotide Sequence: | >RR217426 representing NM_001191767<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGCCTCGGGAGGTGAAGGACCGAATCCTGGAGAACATCTCGCTGTCGGTGAAGAAGCTGCAGAGCT  
ACTTCGCAGCATGCGAGGACGAGACCCCTGCCATCCGGAACACGACAAGTCTGCAGCGCCTGTGTGA  
GCACTTGGACCAGCCCTGTTGTACGGATTGCAAGACCTGTCTCTGGCTACTGGTGGTGGTCCAT  
TTCACCCGCAGAGAGGCCATCAGGCAAATTGAAGTGTACAGCATGTGGCCACCAACCTGGGGCGAAGCC  
GCGCCTGGCTCTACCTGGCTCTCAATGAGAATTCTTGGAGAGCTACCTTCGCCTGTTCCAGGAGAACCT  
GGGTCTGTACAGAAGTACTATGTCAGGAATGCCCTGGTCTGCAGCCACGATCACTTGACTCTTTCCTG  
ACCTTGGTGTCTGGGTTGGAGTTTATTCGGTTCGACCTGGATCTGGATGCCCGTACTTAGACCTGGCCC  
CATATATGCCTGACTACTATAAACCTCAGTACCTGCTGGACTTTGAAGACCGCCTCCCAGCTCAGTCCA  
CGGCTCAGACAGCCTGTCCCTGAACTCCTCAACTCTGTACCTCCACCAACCTGGAATGGGATGACAGC  
GCAATTGCCCATCTAGTGAGGATTATGATTTTGGAGATGTGTTCCAGCAGTGCCGTCTGTACCCAGCA  
CAGACTGGGAAGATGGAGACCTCACAGATACCATCAGTGGTCCCCGCTCTACTGTTCCAGACCTGACCAG  
TAGCAAGGCATCCACCAAGAGCCCCACCCAGCGCCACAACCCCTTCAACGAGGAGCAGGGCGAGAGCGCG  
TCATCTGAGACCACCCCGTGCACACTACCTCTCAGGAGAAGGAAGAGGCCACGGCCCCAGACCAGCCAG  
ATGCTTGTACAGAGCTTGAAGTTATCAGGGTACCAAGAAGAAGAAGATTGGCAAGAAGAAAAAGACCAA  
GCTGATGAGGAAGCAAGCCCACTGCACCCCACTGTAGCCAGCAGAAGTGCAGTGGTGGCAGGGGGACGGT  
GACGGACTTGTGGGACCCCGAGCCTGGCGCGAACTGTTCCGACACCATACTTGCTCTCCACAGGAGC  
AAGGGGAAGGGCCCGCAGTACCGCCGGGAGCTGTGAGCACTCAGAGCTCAGCCAGATGGGTTTGTGTAT  
CCCCGAGATGAAGGACACCTCCATGGAGTGCCTAGGACAGCCCCCTGAGCAAGGTCATCGACCAGCTTCAT  
GGCCAGCTGGACCTAGCACCTGGTGTCTCCGCTGTCGAGCCCCGGATCAGTCTTTCGGACCCGGCTCTC  
CCGGGGAGGCCCCCGAGAAACCGCATTTCGCACTTTAGTGAGGGGCTTCCAGCCCCCATGGACTTCTA  
CCGGTTTACAGTCGAGAGTCCAAGTACTGTTGCACCAGGTGGCGCCACCATGACCTCCAGGGTCTAGC  
CAACCGTGCATGTTCTGGTAGCCCTGCGCCTGCTCTCCAAGAAGAAGAGGGAGGAAGAGGAGAGGGAC  
AGACATCTCAGCCCCTAGAGGACCAGCAAGGGAAGGAGATTGAGGAGCCAGAGCCTCAGGAACCAGACAG  
CCAGTTGCCGCTGGTCAGCCAGGAGCCTGGGCCTGAACCTGTGTCCAGCCTGAACCTGGAACCCAGGAA



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ACTCTTTGCAAGCTCAAGGGAGACCAGCCAGTCCTTGTCTGAGCAGTGCTGAGGACTCCGGGTAGACG  
 AGGGCCAGGGTAGCCCTCAGAGATGACGCACCCCTCAGAGTTCAGAGTAGACAACAACCACTTGCTCCT  
 ACTCATGATTCACGTCTTTTCGAGAAAAAAGAAGACAGTTGTTCAAATGATCCGGATGAGCACAGGGCAC  
 ATGGAGGGTAACCTACAGCTGCTCTACGTGCTACTCACAGACTGCTATGTCTACCTGCTTCGAAAGGGG  
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 GGACCAACAGACTGTCAAGCTGGTGTGCACCAACCGCAGGAAGCAGTTTCTGCTGGACACGGCCGACGTG  
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 CCAGCGTCTTGACTGATGCCACCATGGAGAGGCTGGCGCTGGCAAAATTTGTCGCCAGGAATCCAAATG  
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 TGCCGGAGATCCAACACCACGGATCGGCCACGCCTCCAGGTCATTCTGGCTGACCGCCTTGCTGG  
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 AGTCATACCCAGGGCATAGCTCCAGCCCTGTATCCCTTGCTGTCTGGTGATCAGGAGGACCGCCTC  
 TTCACATGCCACGAAGATTGCCAAACAGCTTCTCCGCTCCCTGGGCACAGCCAGACTGGCGGACATCA  
 CTGCTATCTCCACTGAGTTAGGCAAGGAGTACTGTGCTCCTGGAGTTCTCCAGGATAGCCCCAGCTGCC  
 GAAGCCCTGGGTATCTACATGAGCTGCACTTCCGAGTTGGACCGGTTCCCTGACCGCCTGAGCTCTGGG  
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 AAGATGCCCTGAGCCTCATCCACAGCGCTGGCAGCGGAGCGACAGCCTCTGCCGCGCAGGGCCTCCCG  
 GGACCCCTGGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGTTTAA

**Protein Sequence:**

>RR217426 representing NM\_001191767  
 Red=Cloning site Green=Tags(s)

MEPREVKDRILENISLSVKKLQSYFAACEDETPAIRNHDKVLQRLCEHLDHALLYGLQDLSSGYVWVVVH  
 FTRREAIRQIEVLQHVATNLGRSRAWLYLALNENSLESYLRLFQENLGLLQKYYVRNALVCSHDHLTLFL  
 TLVSGLEFIRFDLDDLAPYLDLAPYMPDYKPYLLDFEDRLPSSVHGSDSLSLNSFNSTSTNLEWDDSD  
 AIAPSEEDYDFGDVFPVPSVPSDWDGDLDITISGPRSTASDLTSSKASTKSPTQRHNPFNEEQAESA  
 SSETTPVHTTSQEKEEAQAPDQPDACTELEVIRVTKKKKIGKKKKTKLDEEASPLHPNCSQQKCGRQGDG  
 DGLVGTPLARNCSDTILASPQEQGEGPGSTAGSCEHSEL SQMGLLIPEMKDTSMELGQPLSKVIDQLH  
 GQLDPSTWCSRVEPPDQSFRTGSPGEAPEKPPFCDFSEGLPAPMDFYRFTVESPSTVAPGGGHHDPGSS  
 QPLHVPGPSAPALQEEEGRGEGQTSQPLEDQQKEIQEPEPQEPDSQLPLVSQEPGPEPVSQPEPGTQE  
 TLCKLKGDPSPCLSSAEDSGVDEGQGSPEMTHPSEFRVDNNHLLLLMIHVFRENEEQLFKMI RMSTGH  
 MEGNLQLLYVLLTDCYVYLLRKGATEKPYLVEEAVSYNELDYVSVGLDQQTIVKL VCTNRRKQFLLDADV  
 ALAELFLASLKSAMIKGCREPPYPSVLTDATMERLALAKFVAQESKCEASTVTVHFYGLVHWEDPMEEAL  
 GPVPCQCSPAEGTITKEGMLHYKASTSYLKGHEHWKACFVVL SNGILYQYPRDTRDVIPLLSVNMGGEQCGG  
 CRRSNTTDRPHAFQVILADRPCLLESADSEAEMADWMQHLCAVSKGVIPQGIAPSPICCLVITEDRL  
 FTCHEDCQTSFFRSLGTARLADITAI STELGKEYCVLEFSQDSPQLPKPWIIYMSCTSELDRFLTALSSG  
 WKAIYQVDLPHKAIHEASIKQKFEDALSLIHSAWQRSDSLCRGRASRPWC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

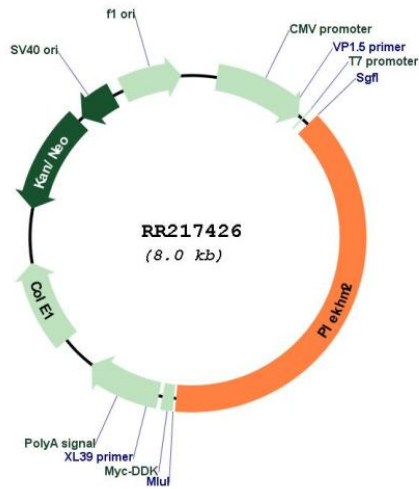
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001191767

ORF Size: 3093 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001191767.1</a> , <a href="#">NP_001178696.1</a>   |
| <b>RefSeq Size:</b>           | 3268 bp   |
| <b>RefSeq ORF:</b>            | 3096 bp   |
| <b>Locus ID:</b>              | 313667  |
| <b>Cytogenetics:</b>          | 5q36  |
| <b>MW:</b>                    | 114.2 kDa   |