

Product datasheet for MC223279

Plekhm2 (NM_001033150) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Plekhm2 (NM_001033150) Mouse Untagged Clone
Tag: Tag Free
Symbol: Plekhm2
Synonyms: 2310034J19Rik; AI854247; mKIAA0842
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223279 representing NM_001033150
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCCGCGGGAGGTGAAGGACCGAATCCTGGAGAACATCTCGCTGTCGGTGAAGAAGCTGCAGAGCT
ACTTTGCAGCATGTGAGGACGAGACCCCTGCCATCCGGAACCACGACAAGGTCTGCAGCGCCTGTGTGA
GCACCTGGACCAGCCCTGCTGTACGGTTGCAAGACTTGTCTCTGGCTACTGGGTGCTCGTGGTCCAT
TTTACCCGCAGAGAGGCCATCAGGCAAATTGAGGTGCTACAGCATGTAGCCACCAACCTGGGGCGAAGCC
GAGCCTGGCTCTACCTGGCCCTCAATGAGAATTCCTGGAGAGCTACCTGCGTCTGTTCCAGGAGAACCT
GGGCTGTACAGAAGTACTATGTACAGAACGCCCTGGTCTGCAGCCACGATCACCTGACTCTTTCCTG
ACCTTGGTGTCTGGGTTGGAGTTTATTCGGTTCGACCTGGATCTGGACGCCCGTACTTAGACCTGGCTC
CGTACATGCCTGACTATTATAAACCTCAGTACCTGCTGGACTTTGAAGACCGCCTTCTAGCTCAGTCCA
CGGTTACAGACAGCCTCTCCCTAACTCCTTCAATTCTGTACCTCCACCAACCTGGAATGGGACGACAGT
GCAATTGCCCATCTAGCGAGGATTATGATTTGGAGATGTGTTCCAGCAGTGCCGTCTGTACCCAGCA
CAGACTGGGAAGATGGAGACCTCAGGACACCATCAGTGGTCCGGTTCCTGCTCAGACCTGACCCAGC
TAGCAAGACATCCACCAAGAGCCCCACCCAGCGTCATAACCCCTTCAATGAGGAGCAAGCAGAGACTGCA
TCATCCGACACCACCCCTGTGCACACTACCTCTCAGGAGAAGGAGGAGGCCAGGCCACAGCCAG
ACGCTTGTACAGAGCTTGAAGTTATCAGGGTACCAAGAAGAAGAAGATTGGCAAGAAGAAAAAGACCAA
GCTGGACGAGGATGCAAGCCACTGCACCCACCTCTAGTCAGCAGAAATGTGGCCAGCAGGGGGAAGGT
GATGGACTTGTGGGCACCCAGGCTGGCGAGGGACCCTCGGACACTGTACTTGCTTCCCTCAGGAGC
AAGGGGAAGGACTCAGCAGTACGGCTGGGAGCAGCGAGCTCTCCGAGCTCAGCCAGATGGCTTGTCTAT
CCCCGAGATGAAGGACACCTCCATGGAGTCCCTAGGACAGCCTCTGAGCAAGGTCATTGACAACTCCAC
GGCCAGCTGGACCCTAGCACCTGGTGTCCCATGCCGATCTCCGAGCAGTCTTTCGGGCCGGCTCTC
CGGGGAGGCCCGGAGAAACCACATTTTGCAGCTTTAGTGAGGGGCTTCCAGCCCCATGGACTTCTA
CCGGTTTACAGTCGAGAGTCCAAGTACTGTTGCACCAGGTGGCGGCCACCATGACCTCCAGGGCCTAGC
CAACCGCTGCATGTTCTGGTAGCCCTGCGGCTGCTCTCCAAGAAGAAGAAGAAGGAGGAGGAAGAGGAG



[View online >](#)

```

AGGGACAGACATCTCAGCCCCTAGAAGACCGGCAAGGAGAGGAGATTGAGGAGCCAGAGCCTCAGGAACC
GGACAGCCAGTTGCCACTGGTCAGCCAGGAGCCCGTGCCCGAACCTGTGTCCAGCCTGAACCTGGAACC
CACGAGGCTCTTTGCAAGCTCAAGCGAGACCAGCCAGTCCTTGTCTGAGCAGTGCTGAGGACTCCGGGG
TAGAGGAGGGCCAGGGTAGCCCTCAGAGATGACGCACCCTCAGAGTTCAGAGTAGACAACAACCACTT
GCTCCTCTCATGATTACAGTCTTTCGAGAAAACGAAGAGCAGTTGTTCAAATGATCCGGATGAGCACA
GGGCACATGGAGGGTAATCTGCAACTGCTCTACGTGCTACTCACAGACTGCTATGTCTACCTGCTTCGGA
AAGGGCCACAGAAAAGCCATACCTGGTGAAGAGGCTGTTTCTTACAATGAACTTGACTATGTGTCCGGT
TGGCCTCGACCAACAGACTGTCAAGCTGGTGTGCACCAACCGCAGGAAGCAGTTTCTGCTGGACACAGCC
GACGTGGCCCTGGCTGAGCTCTTCTTGGCGTCTCTGAAGTCAGCCATGATCAAAGTTGCGCGGAACCCAC
CCTACCCAGCATCCTGACTGATGCCACCATGGAGAAGCTGGCGTTGGCGAAATTTGTCGCCAGGAGTC
CAAATGTGAGGCATCCGCCGTGACCGTGCATTTCTATGGGCTTGTGACTGGGAGGACCCCATGGAAGAG
GCCCTGGGCCCTGTTCCCTGCCAGTGCTCACCCGCTGAGGGCACCATCACCAAAGAAGGCATGCTGCACT
ACAAGGCTAGCACCTCTACCTGGGCAAGGAACACTGGAAGGCCTGCTTCGTGGTGTCTCAGCAATGGGAT
CCTCTACCAGTATCCTGACCGCACGGACGTCATCCCCCTGCTGTCCGTGAACATGGGTGGGAACAGTGC
GGTGGCTGCCGGAGATCCAACACCAGGATCGGCCCCACGCCTTCCAGGTCATTCTGGCTGACCGGCCCT
GCCTGGAGCTAAGCGCCGACAGCGAGGCTGAGATGGCTGACTGGATGCAACATCTCTGCCAGGCCGTGTC
CAAAGGAGTCATACCCAGGGCATAGCTCCCAGCCCCTGTATCCCTTGCTGCCTGGTGATCACAGAGGAC
CGCCTTTCACCTGCCACGAGGATTGCCAAACCAGCTTCTTTCGCTCCCTGGGCACAGCCAGGCTGGCAG
ACATCACTGCCATCTCCACGGAGCTGGGCAAGGAATACTGTGTCTGGAGTTCTCCAGGATAGCCACACA
GCTGCTCCAGCCTTGGGTGATCTACCTGAGCTGCACTTCCGAGCTGGACCGGTTCTGACTGCCCTGAGC
TCTGGGTGAAAGCCATCTACCAGGTAGACCTTCTCACAAAGGCCATCCATGAAGCTTCCATCAAGCAGA
AATTTGAAGACGCCCTGAGCCTCATCCACAGCGCTGGCAGCGGAGCGACAGTCTCTGCCCGGCAGGGC
CTCCCGGACCCCTGGTGTGA
    
```

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033150
- Insert Size:** 3102 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:** NM_001033150.1, NP_001028322.1
- RefSeq Size:** 4178 bp
- RefSeq ORF:** 3102 bp

Locus ID: 69582

UniProt ID: [Q80TQ5](#)

Cytogenetics: 4 E1

Gene Summary: May play a role in the regulation of conventional kinesin activity. Required for maintenance of the Golgi apparatus organization. May play a role in membrane tubulation. May play a role in lysosomes movement and localization at the cell periphery.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.