

## Product datasheet for RN217575

### Plekha5 (NM\_139340) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plekha5 (NM_139340) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plekha5
Synonyms:	Pepp2; TRS1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217575 representing NM_139340 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGCCGACCTGAACCTGGAGTGGATTTGTCGCTGCCGCTCCTGGACGTACGGGATCACTAGGG  
GCGGCCGCGTCTTCTTCATCAACGAGGAGGCCAAGAGCACCACCTGGCTGCACCCGGTACCGGCGAGGC  
CGTGGTACCGGGCACCGCGGCAGAGCACAGATTTGCCACTGGCTGGGAAGAAGCATATACATTTGAA  
GGCGCAAGATACTATATAAACCACAATGAAAGGAAAGTAACCTGCAAGCATCCAGTACAGGACAGCCAT  
CCCAGGACAACCTGTATCTTTGTCGTTGAATGACCAGACTGTTGCAACCATGACATCTGAAGAAAAGAGGA  
GCGACCCATAAGTATGATAAATGAAGCTTCCAATTACAACATGGCTTCAGACTATACTGTGCATCCTATG  
AGCCCCGTGGGCAGGACATCACGGGCTCCAAAAGGTTCCATAATTTGGGAAAAGGTCCAATTC AATTA  
AAAGGAACCCTAATGCCCTGTGGTCAGGCGGGCTGGCTGTATAAGCAGGACAGCACCGGCATGAAGCT  
GTGGAAGAAGCGCTGGTTTGTGCTTTCTGACCTTTGCCTTTTTACTACAGAGATGAGAAGGAGGAGGGT  
ATTTTGGGAAGCATCTGCTGCCAGTTTTAGATAGCCATGCTTACTGCCGAGGACCACATCAATCGCA  
AATATGCTTTTAAAGGCAGCCCAACCAACATGCGGACCTATTATTTCTGCACTGATACAGGAAGGAAAT  
GGAGCTATGGATGAAGGCCATGTTAGATGCTGCTCTGGTGCAGACAGAACCCTGTGAAAAGAATTACCTTT  
AATTTCCGAGTGGACAAGATTACAACAGAAAGTGCATCAACTAAAGAAAACCAATAACATTC CCAACCA  
GAGTCTCATTAGACCTGAGGTCCAAAACAATCAGAAAAATAAGGAAATAAGCAAAATTGAAGAAAAAG  
GGCCTTAGAAGCTGAAAGATACGGGTTTCAGAAGGATGGGCAAGATAGACCATTAACAAAAATTAACAGT  
GTAAAGTTGAACTCGCTGCCATCAGAATATGAAAGCGGGCCAGCCTGCCACCTCAGAATATACACTACA  
GACCCATCAATGTGAATAATTCTGACAGCAAAGCAGTGAATGTCAGCTTGGCAGATGTCCGGGTGGGAG  
TCACCCAAATACAGGGCCCTAGCCACAGAAGCTGATCGAGTCATTAGAGAACGAATTCATGCAGCAG  
CTGGAGCAGTGGATTAAGTTT CAGAAAGGACGGGGTCTTGAAGAGGAGCCAGAGGAGTAATTTCTTATC  
AAACATTGCCAAGAAATATGCCAAGCCACCGAGCCAGATTCTGGCCCGCTACCTGAAGGTTACCGAAC  
ACTCCCAAGAAAACAGCAAGACCAGACCAGAGAGTATCTGCACTGTAAACGCTTCTGGTCATGAGAAGACA  
GGGCTGGGGCAGAGGAGAAGCGCGGTCCATGAGGGATGACACCATGTGGCAGCTGTATGAGTGGCAGC



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AGCGCCAGTTTTACCACAAGCAGAGCACCCCTCCCTCGGCACAGCTGCCTGAGCAGCCCTAAAGCCATGGG  
 GAAGGTTTCTGACCAGACAATGCACTCCATCCCCACGTACCCTGCCATGTGCCAGCTGCTGTTACCAG  
 GGCTTCTCCCCTCAGCGGACATACAGGTGAGAAGTGTCTCGCCAATCCAGAGAGGAGATGTGACAATAG  
 ACCGCAGGCACAGGCCTCATCACCTAAGCATGTCTATGTACCTGACAGAAGGTCAATGCCGGCTGGCTT  
 AGCCTTACAGGCTGTTAGTCCTCAGAGCCTCCACGGCAGGACGCCAGAGGAGCTTACGCTGCTGCTGATA  
 AAGCTGAGACGGCAGCAAGCAGAGCTGAGTAGTATCCGGGAGCACACCTTAGCACAGCTCATGCAGCTGA  
 AACTCGAGGCCACAGCCGAAGAATGAAATTCTTTCACATCATCTTCAAAGGAACACCATATATTTGGA  
 TCATCAGATGAAAGAAAATGAACCTATTATCACCATGGTTCACACCATGATTGAGAAGTCCGCGCTAAGA  
 CCACAAGTGTACCAACAATTCTTAAGACAGAAGAACAAGATAAGTCTCTATTGTCTCTACAAGATGAGT  
 GTAGAGGCACATTATACAAATACAGACCTGAGGAAGTAGATATCGATGCCAAATTAAGCCGATTGTGTGA  
 ACAGGATAAAGTGGTCCGTGCACTGGAGGAGAAGCTGCAGCAGCTGCACAAGGAGAAAATACAGCTTGAG  
 CAAGCCTTGCTGTGAGCCAGCCAAGAGATAGAGATGAATGCAGATAACCCAGCCGCCATTAGACGGTGG  
 TGCTGCAGAGGGACGACCTGCAGAACGGGCTGCTGAGCACGTGTCGGAACTCTCCCGAGCCACCCTGTA  
 GCTGGAACGAGCCTGGAGAGAATATGACAAGTTAGAATATGATGTGACTGTTACCAGGAACCAGATGCAA  
 GATCAGCTTGATCGCCTTGAGAGAAGTGCAGAGTGAAGTGCAGGAAATCAACGGGCACAGATTCAAAAAG  
 AACTTTGAGAAATCAAGATGTCATGGAGGGGTTGAGCAAACACAAACAGCAAAGAGGCTCTTCAGAAAC  
 AGGTCTGGCAGGACCAAAGCCTTCCCAGCAGTTAAGTACAAAAGCGAGGAAAGAGGAAGTATGCCACCT  
 CGGCCTCCACTTCTCGGTCTTATGACTTTACAGAGCAGCCTCCCATATCCCCCTCTGCCAGTGATA  
 GCAGCTCCTTGCTCTGTTATAGCAGGGGCCCGTGCATCTGCCTGAAGAAAAGAAGAGTACCAAGTTCA  
 AGGATATCCAAGAAATGGATCTCACTGTGGTCCAGATTATAGACTCTACAAGAGCGAGCCAGAGTTGACC  
 ACAGTGGCAGAAGTTGATGAATCTAATGGAGAAGAAAATCAGAGCCAGCTTCTGAGGCAGAAGCTCCGG  
 TTGTTAGAGGTTCCCACTTCCAGTTGGAGTTCCTCTGAGAACGAAGTCACTACACCTGAGTCTCAAC  
 GATAGTTCCTATGTGACCTTGAGGAAGACGAAGAAGATGGTGGAGCTAAGAACGGAAGACCCGAGAAGT  
 GCCGTGGAACAGCTCTGTCTGGCGAAAAGTACTCGGCCTCGGATGACTGTGGAAGAGCAGCTGGAGAGAA  
 TCAGGAGGCACCAGCAGGCTGCCTGAGGGAGAAGAAGAAGGGGCTGAACGTCTCAGTGCATCCGACCC  
 ATCTCCCTCACAAAGTCTTCAAGCGTGAGGGACAGTCTTCCAGAGTTCCTCAGACTGTAAGGAGGGAT  
 GATAACACTAAGGAGCTAGACGCCGTCCACAGAGAAAATGATGGAAGCCAGACTATGACACTTCAGCAG  
 CAGAACTGCTCACCCAGAAGAAGCTGAACCCAAAGTGCAGATGTGGCCGAAAGCTAAAGAGAAGTGA  
 AAGTATTTTTTATGAAATGCTTTACACGCCTGAACCTTTAAATGGACTGACTTCTGAGGAAGTATGGCT  
 AAGGAGAGGCAGGAAGAGCAGGTGCCTGAAGGTGCCGTGTGCAGCCTCAGGAAGAGGCTGCCATGGCAA  
 ACCATCAGGCAGAAGGCCCCCTGAGGAAGCAGAGAGTCTTCATGAAGAGGAGGAAGCTCTGGCTTCTGT  
 TGAGCCAGCTCCTGAGACTCCTAGGGAGAATCAAACCACAGTGAAGAGTCTGTCTCCGTCTCCTGACTCC  
 TCCACGGCAGCAGACCCGCCACTCCGCCCCAGCTCACAGAAGGATCACATTTATGTGTGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_139340
- Insert Size:** 3846 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:**

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\\_139340.2](#), [NP\\_647556.1](#)

**RefSeq Size:** 4790 bp

**RefSeq ORF:** 3846 bp

**Locus ID:** 246237

**Cytogenetics:** 4q44

**Gene Summary:** member of homeobox PEPP subfamily, preferentially expressed in reproductive tissues; human homolog specifically expressed in testis [RGD, Feb 2006]