

## Product datasheet for RN217643

### Plekh2 (NM\_001191770) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Plekh2 (NM_001191770) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Plekh2
Synonyms:	RGD1304935
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN217643 representing NM_001191770 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGAGTCTCTGANCCGAAAGACCCATAGATTGGAAGAACGCTGTGTAGCTCTGGAGGCTCAAC  
TAATGAAATTCGAGTTCAGCAAGCAAGATCCGAGAGCTCTAGCAGACAAAATGCAACAATTGGAGAG  
ACAAGTCATCGATGCAGAACGCCAAGCAGAAAGGGCTTTCAAGAGGTACAAGTTATGGAAGAGAACTA  
AAAGCAGTAACATTCAAACCAGTGAGTCAGAGACACGGCTATAACAAGAGTGTCAAGATCTGGAGTCTG  
TGATGCAGGAGAAGGATGACCTCATTGAGAACTGGCTCTGCGGCTTGAAGAGCAGAAACAAGTGGAGT  
AAAAGAAGCTAAAACAATAGAAGAAAAAGCAGCTAAGATCAAAGAATGGGTAAACAGTTAAATTAACGAG  
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CAAAATTGCAAGAACTCCAAGAGAAGAAAGTATCCTGTGTCTCCAGCCAAAGCCCTCAGAAGGGCAGCG  
TCTGAGCAGTTTGACGTTTGGATGCTTCTGTCCCGAGCAAGAGTCCGCCTTGTGCAGTAAGGTCCGAG  
GAAGCGAGCAAGATGGCCTCAAGCGAACCTGAGTTCGCCGAAGCAAGATGCGTAGAAGAGATGGAATTTG  
CAGAGAAGCCTGCTGACAACCAAGTGAAGAGAACAGCAGGAGCCAGAGAAAGTTGCTCGAGACCTCTTG  
TGGCTCAGAACAACCCGAAAACGGGAGCAAGCTTTGTAGCGGATGGTGGGACCCCGAGCATTCTGGG  
CTTCCAGTGAGTGACTGGAGTTTCAAGCAGTACGACGGAAGCAAGGCAGATCTAAGTCCAGGTGCACGT  
CCTACTTTCCAGCCACAGTCTGAGGAGGGTGGCCAGTGTGGCAGGCCGGCAGCGAAGCTTATCTCAC  
AGCATCCGATGACAGTAGTTCTATATTCGAGGAAGAGACTTTTGTGCTAACAGACCACAGCACAAGAAG  
CTGTATTCTTGGCAGCAGAAGGCACCATGGAAAGCTCCAGTAACCTTGCAAAGGGAAGTTCTCAGTCAG  
AAGTTAAGCAGCGAGATAGTTCTCAGATGAACCTGAATAAGAAATTTTCAGTCCCAGAGACTGGATTATTC  
ATCCTCATCAAGCGAGGCCAACACCCCAAGCCCTATTTTAAACCCAGCTTTAACCCCAAGCACCCTAAC  
TCACTCCCTGGAAAAGGAACACCATTAGTGCTCCACCATTCTGCCACCCCAAGCTGAGGATCCCA  
ACGTCTTCAGTAAAGTGTGGCACTGACCAAAAGGCACCTGAGCCAACCACAGTTATGTTCCGACCGGAT  
GTTTGGCATGAACCGAATGCCATCAGCATGATCCGGCTCTGAGGCCTCAGGAAACGGACCTTGATATG



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GTTGATGGTGATAGGGCGGAAGCCGTGGACATCATGGACACGGGCTGCGGTGACTTATTTTCCTATGACT  
 CCCAGGATCCTCCTTCTGCAGAAGACCCGAAAACAGCGAGGCCACAAAGAAGGCCTCGTGCAGCAAACC  
 CCCCACTCCTCCTTTGCACCGCTTCCCCTCTGGGAGAGCAGGATTTATGCAGTAGCCAAATCAGGCATC  
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 CAGGCCCTTACATGTCTCATATAACAAGATGTGACGACCCCTGTGTACACAACGTTGAAGGGGAAGGC  
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 GAGGATAAGTTCCCTCTAGGTGAGTCAAACCTCTGGGAGGCTAAGGTGGAGGAGTGGACAGGTCATGTG  
 ACTCGGATGAGGACTATGAGACCAGTGGGCGCTGTCTGTTGTCCACTCACTACACCATCATTGTCCACCC  
 CAAGGACCAGGGCCCTACTTACCTGCTCATCGGATCTAAGCACGAAAAGGAGGCGTGGCTTTATCACCTC  
 ACTGTTGCGGCTGGAAGCAACAATGTAATGTTGGATCCGAATTTGAACAACCTGGTTTGCAAACTGCTAA  
 ATATAGAAGGAGAGCCCTCCTCCAGATATGGAGACCCCATGCTGTGTACAGCAAAGAAGGAATCCT  
 GTGCCCTGACCTCACTGCCTTCGGAAGCCCTGCAGACAGAGGCCATTAAGCTGTTTAAAGCTGCCAG  
 CTCTTTATCAACGCTGTGGTGGACTCCCCGCCATCGACTACCATATCTCTGCTGAGGCGCTGTCG  
 AGTCTGCCTGACACATCCCGAGCTGCAGAGTGAATTTGCTGTACAGTTATTAAGCAGACCAGGGCTGAG  
 ACAGCAGCAGAATCAGGCCGACCCTGCAAGGGCTGGCAGCTCTGGCGCTCTGCGTTGGACTCTTCTT  
 CCCCACCACCTTCTGTGGCTCCTCCAGGTCCATCTGCAGAGGAGTGGGATTCCAGAACAGAATTTG  
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 GTGCATTCATGAACGGGATCTACCAGGTAGTTGGGTTTCGACGCGTCCACCACGGTGAAGAATTTTGA  
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 TGAGCAAATCATAAATGGTCTTTTCCCTCTCAACAAGGATCTGGCGTTAGAAATGGCAGCGCTCTGGCT  
 CAGGTGGATATCGGGGATTTTGGAGACCGTCTCAACTCCAGCTGGGCATGTGACCAACCAGTGAAGG  
 CAAACCAACCCCTCAAACAAGTCGTGGAGAAGTTTACCCTAAAAGGTACCGAGAAGGGTGTCTGAAGA  
 ACAGTTAAGGCAACTTTACCAGAGACTCTGCACAGATGGATGGCCCTCCGGGGACACAGCAACTGAC  
 TGCATTCGATTTACTTGACAGTAGCCAGGAAGTGCCATTCTTTGGCCCAAGTTATTCTTGGCCAAAC  
 CTATAACACCGTCATCACTTGGCAATAATTTTATCTGGCTGGCTGCCATGAAAACGGGTTGAGCATCCT  
 AGAATACACCTCCATGAGGTTAGTGACTGGCTATGTGTACAAGAGTGTGATGACCTTTGGAGGCTACAA  
 GAGGATTTTATGGTAGTCATTAGTACACAGGCAAAGACCGGCCAACAGAGAAGTTACTTTTCGCCATGG  
 CAAAACCAAGATTCTTGAAATTACCCTTCTGATCGCCAGTTACATCAACAACCTTCTATCAGCAGAGGC  
 AGCATTTACACCTGTCTGCCCGGCACTGCTCTCAGCCAAGGTTACAGGAGCCCAAGCCAAGGCCATG  
 GGCAGCCAGCCCTTCTGTCCAACAACAGACCTACCAAAGGCCCCACCTTACTCTGA

ACGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-NotI  
**ACCN:** NM\_001191770  
**Insert Size:** 4467 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001191770.1</a></u> , <u><a href="#">NP_001178699.1</a></u>
<b>RefSeq Size:</b>	4467 bp
<b>RefSeq ORF:</b>	4467 bp
<b>Locus ID:</b>	313866
<b>Cytogenetics:</b>	6q12