

Product datasheet for **MC224561**

Plekh2 (NM_177606) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plekh2 (NM_177606) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Plekh2
Synonyms:	A1256725; E030001K05; mKIAA2028
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224561 representing NM_177606 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGCCCTCTGAGCCAGAAGGACTAATAGACTGGAAGAGCGCTGCGTAGCTCTGGAGGCTCAGC
TCATGAAATTCGAGTTCAGCAAGCAAGATCCGCGAGCTCTTAGCAGACAAAATGCAACAGTTGGAGAG
ACAAGTTATCGATGCAGAGCGGCAAGCAGAAAAGGCTTTCAAGAGGTACAAGTTATGGAAGAGAACTA
AAAGCAGTAATATTCAGACCAGTGAGTCGAGACACGGCTCTAAGAAGTGTCAGGACCTGGAGTCCG
TGATGCAGGAGAAGGATGACATCATTGAGAACTGGCGCTGCGGCTTGAAGAGCAGAAACAAGTGAGGAT
ACAAGAAGCTAAAATAATAGAAGAAAAAGCAGCTAAGATCAAAGAATGGGTAAACAGTTAAGTTAAACGAG
CTAGAAGTAGAGAATCAGAATCTTCGTTTCATCAACCAGACCCAGACTGAAGAGATAAGAGCGATACAGT
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CAATTTGACATTTGGATGCTTCTGTCCCGAGCAAAGAGTCTCCTTGTGTCTGTAAGATGTGAGGAAGTG
AGCAAGATGGCCTCAAATGAACCTGAGATCACGGAAGGAAGATGTGTAGAAGAGATGGAATTCAGAGA
AGCCTGCTGACAACCAAGTCCAAGAGAACAGCAGAAGCCAGAGAAAGTTGCACGAGACCTCTTGCAGCTC
GGAACAGAACCAGAAAACGAGAGCAAGCTTTGCAATGGATGGTGGTACGTCCAGAATTCGGGGTTCCA
GTGAGTGACTGGAGTTCAGACGAGGATGATGGAAGCAAGGCAGATCTAAGTCCAGTGCACGTCACCC
TTTCCAGCCACACATCTGAGGAGGGTGGCCAGTGCAGGCTGGGCAGCGAAGCCTACCTCACAGCATC
TGATGACAGTAGTTCTATATTGGAAGAAGAGACTTTTGTGGAATAGACCTGAGCAAAAAGAGCTGTGT
TCTTGGCAGCAGAAGGCACCATGGAAGCTCAGGGTAACCTTGCAAAAAGGGAGGTCTCAGTCAGGAGTAA
AGGAGCAAGATAGTTCTCAGATGAACTGAATAAGAAATTTCACTCGCAGAGACTGGATTATACATCCTC
ATCCAGCGAGGCCAACACCCCAAGCCCTATTTAAACCCAGCTTTAACTCCAGGTACCCTAACTCACTC
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TTTTAGTATAAGTGTGGCACTACCAAGAGACACCTGAGCCAGCCACAGCTATGCTCCGATCGGATGTT
TGGCAGAACCGAACGCCATAAGCATGATCCGGCCGCTGAGGCCCAAGAAACGGACCTTGATGTGTT



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GATGGGGACGGGGCCGAGGCTGTGAACAGAATGGACACTGGTTGCGATGACGGCTTATTTTCCTATGACT
 CCCAGGATCCTCCTCCGTGTGCAGATGACCAGGAAAACAGCGAGGCCCAAGAAGGCCCCATGCAACAA
 ACCCCCTACTCCTCCTGCACCCTTCCCCTCTGGGAGAGCAGGATATATGCTGTAGCCAAATCAGGC
 ATCCGGGTGTCTGAGGCCTTCAATATGGAGCATGCTAATAAAAAATTCGCAGACATACTTCTACTCTG
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 TCCAGTCCCAGGCTGTCGAGTCAGATGCGCGCAGTGCAGTGGGCCAAGCAGTCCCAGAGCCATGAAGC
 GAGGCGTGTCTGACTCCTCCGCAGCTTCTGAAAAGTACTATGCCATTCTCCGGATGCCTATCCCATAGA
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 AAGCACATACTATCTGACGGCGGATTCTCCCAATACTGGAAGAATGGATCAAAGTGTACAGAGCG
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 CGCAATCAAGAGGATAAGTTCCTCTAGGTCAGCTCAAACCTCTGGGAGGCTAAGGTGGAAGAGGTGGACA
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 AGTTGCTGAATATAGAAGGGGAGCCCTCCTCCAGATATGGAGACACCCCATGCTGTGTACAGCAAAGA
 AGGAATTTCTGCCCTCTGACCACACTGCCTTCGGAAGCTCTGCAGACCGAGGCCATTAGCTATTTAAG
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 AAGACGGAGACAGCTGCAGAACCAGCCAGGCCCTGTCAGGGTTGGCAGCTCTTGGCACTCTGCGTTGGA
 CTCTTCTTCCCCACCCTTTCTGTGGCTCCTCCAGCTCCATCTACAAGGAATGCAGATTCCAGGA
 CAGAGTTTGGGAAATATGCCATTTACTGCCAGCGATGTGTAGAAAGGACACAGCAAAACGGAGACCGAGA
 GGCCAGACCGTCCAGGATGGAGATACTCTCCACTTTCTTTCGAAACCCCTACCACCATTCTCGGCCCTTC
 AGCATACCCGTGCACTTCATGAACGGGCTCTACCAGGTAGTGGGGTTCGATGCGTCCACCACAGTGGAA
 AATTTTTGAACACTCTGAACCAGGACACAGGAATGAGGAAGCCGGCACAGTCTGGATTGCACTCTTAC
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 CTTTTAGCTCAGGTGGATATTGGAGATTTTGAAGACCTTTCTCAACTCCAGCGGGGCTGTGACTAACC
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 CTCTGAGGAGCAGCTAAGGCAGCTCTACCAGGACTCTCAACCAATGGATGGCCCTCCGGGGACACAGT
 GCGGCTGACTGCATTGCAATTTACTTGACAGTAGCCAGGAAGTGGCCGTCTTTGGCCCAAGTTGTTCT
 TTGCAAAACCAATAGCACCATCATCACTTGGCAATAATTGCGTGTGGCTGGCTGTCCATGAAAATGGGTT
 GAGCATCCTAGAATACACCTCCATGAGATTAGTGACCAGCTATATGTACAAGGTCTGATGACCTTTGGG
 GGCTATCAAGAGGATTTTCATGGTAGTCGTTAGTACACAGTCAAAAGACCGCCAACAGAGAAGTTACTTT
 TTGCGATGGCAAAACACAAGATTCTTGAATCACCTTCTGATCGCCAGTTACATCAACAGCTTCCATCA
 ACAGAAGACAACGTTTACCACCTCTCTGCCCCAGCGCTGCTCTACCCAGGACCCAGGCGCCCCAAGCC
 AGGGTCATGGGCAGCCAGCCCCCTGTCCAACAGCAGACCTACCAAAGGCCCTACCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177606
Insert Size: 4476 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:	<u>NM_177606.4</u> , <u>NP_808274.2</u>
RefSeq Size:	6886 bp
RefSeq ORF:	4476 bp
Locus ID:	213556
UniProt ID:	<u>Q8C115</u>
Cytogenetics:	17 E4
Gene Summary:	In the kidney glomerulus may play a role in linking podocyte foot processes to the glomerular basement membrane. May be involved in stabilization of F-actin by attenuating its depolymerization. Can recruit TGFB111 from focal adhesions to podocyte lamellipodia. [UniProtKB/Swiss-Prot Function]