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Product datasheet for MC223247

Pdzd7 (NM_001195265) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdzd7 (NM_001195265) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdzd7
Synonyms:	9130207N01; EG435601; Pdzk7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223247 representing NM_001195265
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACGTGGTTTCACGGTAGGCTTTGACCCACTGGGTCTAGGAGAACTCAGCTCTGGCTCCCTGAGCT
CTGTCTCCTCCCGAGGCCACCTGGGCAGCGACTCAGGCTCCACAGCAACACGATACCTGCTGAGGAAGCA
GCAGCGCCTGCTGAATGGGCCCTCCCGAGGAATTCGAGCCTCCTCGCCCATGGGCCGGGTCATCCTCATC
AACTCCCCCATCGAAGCCAACAGTGACGAAAGTGACATCATCCACGCCGTTCGCGTGGAGAAGAGCCCCT
CGGGGAGGCTGGGTTTCAGCGTGAGAGGCGGCTCTGAGCATGGCTTGGGTATCTTTGTCAGCAAGGTGGA
GGAGGGAAGCAGCGCAGAGCGGGCTGGCCTGTGTGTGGGAGACAAGATCACGGAGGTGAACGGGCTGAGC
CTAGAGAGCACCACAATGGGGAGCGCTGTGAGGCTGCTGACCAGTAGCAGCTGCCTACACATGATGGTCC
GGCGCATGGGCCGAGTGCCCGGCATCAAGTTCTCCAAGGAGAAGACCACATGGGTGGATGTAGTGAACCG
GAGGCTGGTGGTAGAGAAGTGCAGTTCAACGCCGTCGGACCGCAGCTCGGAAGACGGTGTGCGCCGCATC
GTCCATCTCTATACAACCTCGGATGACTTCTGCCTAGGCTTCAACATCAGAGGGGGCAAAGAGTTTGGCC
TGGGCATCTACGTGTCCAAAGTGGACCATGGGGGGCTGGCTGAAGAGAACGGCATCAAAGTGGGGGACCA
GGTCCTGGCGGCCAACGGTGTCAGGTTCGATGACATCAGCCACAGCCAGGCCGTGGAGGTGCTGAAGGGA
CAAACGCACATCATGTTGACCATCAAGGAGACTGGCCGATACCCTGCCTACAAAGAGATGGTTTCAGAGT
ACTGCTGGCTGGATAGATTGAGCAATGGGGTACTGCAGCAGCTGTCGCCAGCCTCCGAGAGCAGCTCCAG
CGTCTCCTCCTATGCCTCTAGCGCCCCCTGCAGCTCGGGCTCGCTGCCCTCTGACCGCATGGATGTCTGT
CTGGGGCCAGAGGAGCCCACTAGCCATGGCCCAGGCTGGGGGCGGGCAGACACGGCCATGCAGACTGAGC
CTGACCTGGACAGCCGAGTGGAAACTTGGTGCAGCGTAAGGCCGACCGTCATCCTCAGGGACACGGCCAT
CCGCTCGGATGGTCCCTCTTCTACCCGACACCTTGATTCTGCACTTTCAGAGTCCCCCAAGACTGCTCTC
CTTCTGGCCCTCAGCCGACCCAGAACTCCCATCACTCGATCCCAGAGCCACCTGACACTGTGGGAGGAGA
AGAAACAACGGAAGAAGGAGAAGTCGGGATCTTCTGGGGAGAAGGGGGCCTTGCAGCGCTCCAAGACGCT
GATGAACCTCTTCTTCAAGGGAGGGCGGCAGGGGCGGCCAGCAGGGGACGGGCACAGAGAGGCCTGGACA
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CTGGACAGCAGAAGCCCCACCAAAGTCCGCCCTCGCCTGGACCTAGAGAAAGCGGGGAGTGTGGGGCCTG
TGCAGAAGTTTGTCACCTGGAGACTAAGACGAGACCGGGAGAGGGGCCGGGCCCTGCTCTCCGCCAGGTC
TGGAAGCCCCTCTGGCCAGGCACCCACTGTGAATGAGCAGGTGCAGGCCTGGGAAAGTCGACGGCCCCTC
ATTCAGGACCTGGCCCGGAGGCTGCTGACAGACGATGAGGTACTAGCAGTCACTCGCCACTGCTCCCGGT
ATGTCCATGAGGGTGGTGTGGAGGATCTGGTGCGCCCCCTGCTGGCCATCCTAGACAGGCCCACGAAGCT
GCTGTTGCTGAGGGACATCAGGAGCGTGGTGGCCCCCACAGACCTTGGCCGCTTCGATAGCATGGTGATG
CCTGTGGAGCTGGAGGCTTTTGAGGCTCTTAAGAGCAGGGCAGTGGGGCCTTCTGCTTTGAGACCTACCA
GGCAAGACACGCCACCCAAACGTCACCTCATCACCCCTGTGCCTGATAGCCGTGGGGGCTTTTACCTGCT
ACCAGTGAACAGCTCAGAGGATGAAGACGGAGAGATAAGGGAGAAGCTTGGGGTCCTTAAGGTCTCCCTC
GGTGCCTCTGCTCCTCACCACAAGGGAATCCCCCCTCTACAAGACGTGCCAGTTGATGCCTTTTCGCTAC
GCCGAGGCGCATGCGCACCTCCTCCCCAGCCACCTCCTGTGGCTCCCCGACCTCCCAGGCCTAACTGGCT
ACTGACAGAACCCCTAAGCAGAGAGGACACTCAGCAGAACCAGAGCCAGACCCCAGCCCAAAGCTGCAGC
CGCAGTCGCAGCCGCAGCCGCAGTCGCAGCCACAGCCGAGGTCAAGGCAAGTCTCCTGGGCGCAGGCGCT
CCCCTTCCCCGGCACCCATCGCCACTGCTGCCACAGCCAACGGGCGTTACCACAGGCCTCGGAAAGCAAG
GCCCCTGCTTCCACGACTTCTGGATGGGCAGGTGGCCAAAGTGGGAGCCAGGCAAGGGCCCTTGGAGAAT
GGTCGGATAGCTGAGGAAGCAGTCGGGAATGTCTCCACTGGAGCGCTGAGGACCATCACACTATCCAAGA
TGAAGCAGTCTTTGGGCATTAGCATCTCTGGGGGCATCGAGTCCAAGGTGCAGCCCATGGTGAAGATAGA
GAAGATCTTTCCCGGAGGTGCAGCTTTCCTCTGCGGGGATCTACAGGCTGGCTTTGAGCTGGTGGCAGTG
GATGGCGAAAGCCTGGAGCAGGTAACCCACCAGCGAGCAGTGGACACCATCCGCAGGGCTTACCGAAACA
AGGCTCGGGAACCTATGGAACTTGTGGTCAGGGTCCCTGGGCCTGGCCTGCTGCCCCTAGCCTCTGACCT
ACGAGTTGTTAAGGACCAGAGCCTTGCTCCTGACTGTCCCTCCGCCCTTGGACCTGTTGATGATGCTCGG
ATTCTCACCCAGCTACCTCCCCCTGAGGCTAGGCAACTCCAGCAGTCTCTCAGCTCAGCTCTAAAGGTCC
CTCAAAGTATCCCTAAACTCTCCCCTATACTTAAGGATCCCCATGACCCTTCCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001195265
Insert Size:	3066 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_001195265.1, NP_001182194.1
RefSeq Size:	3927 bp
RefSeq ORF:	3066 bp

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Locus ID:	100503041
UniProt ID:	E9Q9W7
Cytogenetics:	19 C3
Gene Summary:	In cochlear developing hair cells, essential in organizing the USH2 complex at stereocilia ankle links (PubMed:24334608). Blocks inhibition of adenylate cyclase activity mediated by ADGRV1 (PubMed:24962568).[UniProtKB/Swiss-Prot Function]

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