

Product datasheet for **MC201554**

Pdcd6ip (NM_011052) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdcd6ip (NM_011052) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pdcd6ip
Synonyms:	AI480591; Aip1; Alix; AW544830; C76364; Eig2; mKIAA1375
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026823 sequence for NM_011052
 CCGTCCGCTCCTCCGCTGCCGGTGCCGAGCGCGCCTAGGCCGTGGTTCGCTGTCCCTCCGCTGTGCGGGC
 CGACGCGCGCGCCGGGCGCTCACCATGGCGTCGTTTCATCTGGGTGCAGCTGAAGAAGACCTCGGAGGTGG
 ACCTGGCCAAGCCGCTGGTGAAGTTTCATCCAGCAGACGTACCCGAGCGCGCGGAGGAGCAGGCCAGTA
 CTGCCGTGCGGCCGAGGAGCTCAGCAAAGTGGCGCTCGGCGCTCGGTGCGCCGCTGGACAAGCATGAG
 GGCGCCCTGGAGACGTTGCTGAGGTATTATGATCAGATTTGTTCCATTGAACCCAAGTCCCATTTCGT
 AAAATCAGATCTGCTTGACGTTACGTGGAAGGATGCTTTTGATAAAGGTTCCCTTTTTGGAGGCTGTG
 AAAATTGGCTCTTGCAAGCTTAGGATATGAAAAGAGCTGTGTGTTGTTCAATTGTGCTGCCCTAGCTAGC
 CAGATTGCAGCAGAGCAGAACCTGGATAATGATGAAGGATTGAAAACCGCTGCTAAGCAGTACCAGTTTG
 CTAGTGGTGCCTTTTACATATTAAGACACAGTGTTATCTGCCTTAAGTCGAGAGCCTACTGTGGACAT
 ATCTCCAGATACTGTTGGAAGTCTCAGTCTTATTATGCTGGTCAAGCTCAAGAAGTATTTTTCTAAAA
 GCCACAAGAGATAAGATGAAGGATGCCATCATAGCTAAGCTGGCAAAATCAGGCTGCGGATTACTTTGGCG
 ATGCTTTCAAGCAGTGTGAGTACAAGGACAGCTCCCAAGGAGGATTTCCACCCTGGCTGCAAAGCA
 GTGCATCATGCAGGCAATGCTGAGTACCACAGTCCATCCTGGCCAAGCAGCAGAAGAAGTTTGGGGAA
 GAGATCGCAAGGTTGCAGCAGCAGCAGAACTGATCAAGAATGTGCCTCTCGCTATGATGAGTATGTCA
 ATGTGAAGGATTTTTCTGACAAAATCAACCGTGCCCTTACTGCAGCAAAGAAGGATAATGATTTTATTTA
 TCATGACCGTGTTCGGACCTTAAGGATCTGGATCCTATCGGCAAGGCCACACTTGTGAAGCCCACCCCA
 GTCAATGTACCTGTCAGCCAGAAGTTCACGGATTTGTTGAGAAGATGGTCCCTGTGTCTGTGCAGCAGT
 CCCTGGCTGTGTTAGTCAGAGGAAAGCTGACTTGGTCAACAGATCAATCGCTCAGATGAGAGAAGCTAC
 GACTTTGGCAAATGGAGTATTGGCTTCCCTAACCTTCCAGCAGCAATGAAGATGTGTCTGGAGACT
 GTACCTCAGTCTATACTACCAAGTCTACATCTGTAGTTGAACAGGGAGGCATCCAGACTGTGACACAGC
 TGATAAAGAGCTACCTGAGCTGCTGCAAAGAAATAGAGAAATATTAGAGGAGTCGCTAAGATTGTTGGA
 TGAAGAAGAAGCAACTGACAATGATTTAAGAGCAAAATCAAGGACCGCTGGCAAAGGACTCCATCCAAT
 GACCTGTACAAGCCTTTACGAGCAGAGGGACCAAATTCAGAGCCGTTTTAGATAAAGCTGTGCAAGCGG
 ATGGACAGGTGAAGGAGCGCTACCAGTCCATCGAGACCCATCGCACTTCTGTGTAAGCCGGAGCCAGA
 GCTGAATGCTGCCATCCCTCTGCTAACCCAGCAAAGACCATGCAGGGCAGCGAGGTTGTAAGTGTCTTA
 AAGTCCTTATTATCAAATCTTGATGAAATCAAGAAGGAAAGAGAGAGTCTTGAGAATGACCTGAAGTCAG
 TGAATTTTGACATGACAAGCAAGTTTTTGACAGCTCTGGCCCAAGATGGCGTGATAACTGAGGAGGCTCT
 CTCTGTCACTGAGCTGGATCGGATCTATGGCGGTCTAACAAAGTAAAGTTCAAGAGTCTCTGAAGAAACA
 GAGGGACTTCAAAAAATACAGGTCTCACCCAAGAATTCTCCAAAATGAAGCAATCTAACACGAGG
 CTAACCTTGAGAGAAGAAGTTCTGAAGAACCTAGCAACTGCGTATGACAACCTTTGTTGAGCTTGTAGCTAA
 CTTGAAGGAGGGCACAAGTTTTACAATGAGCTGACTGAGATCCTGGTACGGTCCAGAACAATGCAGT
 GACATAGTGTTCACCGAAGACAGAAAGAGACGAGCTTTGAAGGATCTGCAGCAGAGCATTGCCAGAG
 AGCCCAGCGCTCCTTCAATCCCTCCTCCAGCCTATCAGTCTCCCCAGCAGCGGGGCATGCAGCAGCGCC
 TCCAACCTCCAGCCCAAGAACCATGCCGCTGTAAGCCCAGCCTCCAGCCCGGCTCCACCTCCTGTG
 CTTCTGCAAACCGAGTTCCTCTGCTTCTGCTGCTGCTGCCCTGCAGGCGTGGGGACGGCTTCAGCAG
 CGCCGCCACAGACCCCTGGCTCTGCTCCCCGCCACAGGCTCAGGGACCACCATAACCTACCTATCCAGG
 ATATCCCGGTATTGCCAAATGCCATGCCATGGGCTACAACCCTACGCATATGGCCAGTACAATATG
 CCGTACCACCGGTGTATCACCAGAGCCCCGGACAGGCTCCATACCCAGGACCCACAGCAGCCTACCTACC
 CTTCCCTCAGCCCCGACAGTCTACTATCCACAGCAGTAACGCTGCCACGTGCTGCTGTTTCCAGAT
 CAGAGCGACAGGACAGCAGCTGCCACCAGCTCTAAGCCACGCTCTGGCCACTCGAGAGTATCTTGCTCTA
 TTGATTGCTGTGGATGATTTCTGTCTGTGGCTAAAGCCGAAGGCTGGGCCACCTCCACATTTGATCGC
 ACTCGTGAGATTCTGCTGCTGTTGCAGTATAACGCTAGCTATAATAGCATTTGAAAAAATTACAGTTC
 CATAAAATGCTGAAAATGAGAAATTAACCTGCAAGTGAACATTTGAAATTAGCATACTTTATAAGATG
 CAGTTGGGACAAAGATGGCTTAAGTACTGATATTTAAGGAAAAAGTTTTCTTTCTTTTTGGTTTATTGA
 TTTAGTTAATTTCTATTATGATATTTGCATAATCAAGGCATTGTAATCTTATAATTTAAAAATAAAT
 TACTTACGAACAGTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA

Restriction Sites: RsrII-NotI
ACCN: NM_011052
Insert Size: 2610 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:	BC026823 , AAH26823
RefSeq Size:	3181 bp
RefSeq ORF:	2610 bp
Locus ID:	18571
UniProt ID:	Q9WU78
Cytogenetics:	9 F3
Gene Summary:	<p>Multifunctional protein involved in endocytosis, multivesicular body biogenesis, membrane repair, cytokinesis, apoptosis and maintenance of tight junction integrity. Class E VPS protein involved in concentration and sorting of cargo proteins of the multivesicular body (MVB) for incorporation into intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome. Binds to the phospholipid lysobisphosphatidic acid (LBPA) which is abundant in MVBs internal membranes. The MVB pathway requires the sequential function of ESCRT-O, -I, -II and -III complexes. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis. Adapter for a subset of ESCRT-III proteins, such as CHMP4, to function at distinct membranes. Required for completion of cytokinesis. May play a role in the regulation of both apoptosis and cell proliferation. Regulates exosome biogenesis in concert with SDC1/4 and SDCBP (By similarity). By interacting with F-actin, PARD3 and TJP1 secures the proper assembly and positioning of actomyosin-tight junction complex at the apical sides of adjacent epithelial cells that defines a spatial membrane domain essential for the maintenance of epithelial cell polarity and barrier (PubMed:27336173).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 3), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>