

Product datasheet for **MC229738**

Pde4dip (NM_001289702) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pde4dip (NM_001289702) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pde4dip
Synonyms:	4732458A06Rik; 9430063L05Rik; C87016; D3Bwg1078e; D130016K21Rik; mKIAA0454; Usmg4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229738 representing NM_001289702 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCGCACGGACAGCGGGTCCATCTGCCACCACGCGCCGCCCGTCTGGGCTCACCACGCACCTC
GCCAGTCTCCACGGCAGCCCTCCAGCCGGGAACGAAGACCCAGAGCGGGCTGGGAGCTGGCGGTGGC
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GGAAACATAACCAGGAATTACGAAAGGCTTTACAGCACCTCCAAGGAGAACTGCACAGCAAGAGCCAGCA
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 GGGCTCTGACGTGCACTCCGGCCTTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001289702
- Insert Size:** 7239 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_001289702.1](#), [NP_001276631.1](#)

RefSeq Size: 8260 bp

RefSeq ORF: 7239 bp

Locus ID: 83679

Cytogenetics: 3 42.28 cM

Gene Summary: Functions as an anchor sequestering components of the cAMP-dependent pathway to Golgi and/or centrosomes (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (6) lacks an alternate in-frame exon compared to variant 5. The resulting isoform (6) has the same N- and C-termini but is shorter compared to isoform 5.
Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.