

Product datasheet for **MG202326**

Cdipt (NM_026638) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cdipt (NM_026638) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cdipt
Synonyms: 9530042F15Rik; D7Bwg0575e; Pis; Pis1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202326 representing NM_026638
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGAGGAAAATATCTTCTGTTTCGTGCCTAACCTTATCGGTTATGCCCGGATTGTCTTCGCCATCA
TTTCCTTCTACTTTATGCCCTGCTGCCCTTACGGCCTCCTCCTTCTATCTACTCAGCGGACTCCTAGA
CGCTTTCGATGGACACGCAGCTCGAGCCCTTAATCAAGGAACCCGGTTGGGGCCATGCTCGACATGCTG
ACGGACCGTTGCGCCACCATGTGTCTTGGTCAACCTGGCCCTGCTCTACCCACGAGCCACCCTTCTCT
TCCAGCTCAGCATGAGCTTGGACGTGGCCAGTCACTGGCTGCATCTGCACAGTTCTGTGGTGCAGGCAG
TGAGAGTCACAAGATGATCGACCTGTCTGGAAACCTGTGCTTCGGATCTACTATACCTCTAGGCCTGCT
CTGTTACCCTGTGTGCTGGAAATGAACTTCTACTGCCTCCTGTATCTCTTCAATTTCTCCGAGGGAC
CACTAGTCGGCTCTGTGGCCTTTTCCGGATGGCCTCTGGTACAGCTCCCATCGCGCTGCTCAAGTC
CGTCATTAGTGCATCCACCTCATCACGGCTGCAAGAAACATGGCTGCCCTGGATGCAGCAGACCGCGCC
AAGAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202326 representing NM_026638
 Red=Cloning site Green=Tags(s)

MPEENIFLVPNLIIGYARIVFAIISFYFMPCCPFTASSFYLLSGLLDAFDGHAARALNQGTRFGAMLDM
 L TDRCATMCLLVNLALLYPRATLLFQLSMLDVAHWLHLHSSVVRGSESHKMIDLSGNPVLRYYTSRPA
 LFTLCAGNELFYCLLYLFNFSEGPLVGSVGLFRMGLWVTAPIALLKSVISVIHLITAARNMAALDAADRA
 KKK

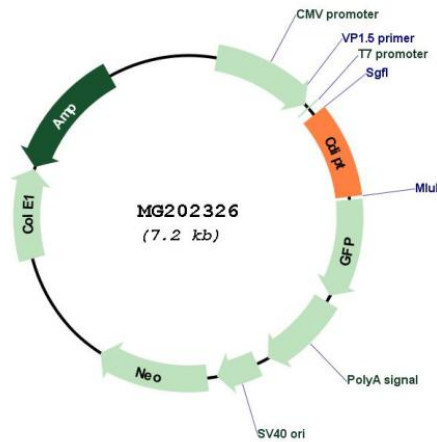
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_026638

ORF Size: 639 bp

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|-------------------------------|---|
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | NM_026638.4 |
| RefSeq Size: | 1877 bp |
| RefSeq ORF: | 642 bp |
| Locus ID: | 52858 |
| UniProt ID: | Q8VDP6 |
| Cytogenetics: | 7 69.26 cM |
| Gene Summary: | Catalyzes the biosynthesis of phosphatidylinositol (PtdIns) as well as PtdIns:inositol exchange reaction. May thus act to reduce an excessive cellular PtdIns content. The exchange activity is due to the reverse reaction of PtdIns synthase and is dependent on CMP, which is tightly bound to the enzyme (By similarity).[UniProtKB/Swiss-Prot Function] |