

Product datasheet for RC236182

PPPDE1 (DESI2) (NM_001297746) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPPDE1 (DESI2) (NM_001297746) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PPPDE1
Synonyms: C1orf121; CGI-146; DESI; DeSI-2; DESI1; FAM152A; PNAS-4; PPPDE1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC236182 representing NM_001297746
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGCTAACCAGTTAGTGGTGCTCAACGTGTACGACATGTATTGGATGAACGAATATACCTCATCCA
 TTGGAATTGGAGTTTTTCATTCAGGAATTGAAGTCTATGGCAGAGCTGTTGTTTTAGGGAGCAGGACTT
 CCTAGAAGATGATATAGAAAAAATTGTAGAAGAACTGGGAAAAGAATACAAAGGCAATGCTTATCATTTA
 ATGCATAAAACTGCAATCATTTTTCTTCAGCTTTATCAGAGATTCTTTGTGGAAAGAGATTCTCGCT
 GGATCAATCGACTTGCTACTTCAGCTCCTGTATACCCTTTCTACAGAGTTGCCTCCCGAAGGAGTGGCT
 CACGCCCCGAGCCCTGCAGTCTAGTGTCAGCCAAGAACTCCAGGATGAACTGGAGGAAGCAGAGGATGCT
 GCCGCATCCGCTTCCGTGGCAAGCACTGCAGCAGGCTCCAGACCCGGGCGCCACACTAAACTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236182 representing NM_001297746
 Red=Cloning site Green=Tags(s)
 MGANQLVVLNVDMYWMNEYTSSIGIGVFHSGIEVYGRAVVLGSTDFLEDDIEKIVEELGKEYKGNAYHL
 MHKNCNHSSALSEILCGKEIPRWINRLAYFSSCIPFLQSLPKEWLTPAALQSSVSQELQDELEEAEDA
 AASASVASTAAGSRPGRHTKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001297746

ORF Size: 483 bp

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001297746.2](#)

RefSeq Size: 4010 bp

RefSeq ORF: 486 bp

Locus ID: 51029

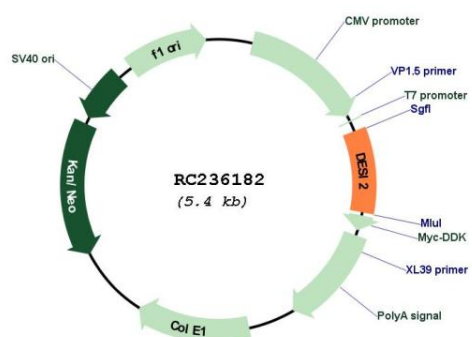
UniProt ID: Q9BSY9

Cytogenetics: 1q44

MW: 18.3 kDa

Gene Summary: Has deubiquitinating activity towards 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. Deubiquitinates 'Lys-48'-linked polyubiquitination of RPS7 leading to its stabilization (PubMed:28483520).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC236182