

Product datasheet for **SC102245**

PPPDE1 (DES12) (AK092419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPPDE1 (DES12) (AK092419) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPPDE1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for AK092419, the custom clone sequence may differ by one or more nucleotides

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TGTATTTTTAGTAGAGATGAGGTTTCACTATGTTGGCCAGGCTGGTCTCGAACTGCTGACCTCAAGTGAT
CCACCTACCTCTGCCTCCCAAAGTGCTGGGATTACAGGCATAAGATACCACCTCACCTGCCCGCCTGTT
TGGCAGTGTTTTTAAGAGCAGATGTAGTTCATATACATTCTTTTTGTTGTTTTGTTTTGAGATGGAA
TCTCACTTTGTATCCAGGCTGTAGTGCAGTGGCACAGTCTTGGCTCTCTGCAGCTTCAACCTCCTGGGC
CCAGGCAATCCCCCTGCCCTAGCCTCCCAAGTAGCTGAGGCTACAGGCACACACCACCATACCCAGCAAA
TTTGTGTGTGTGTAACAAGGTCTTACTATGTTGCCAGGGTGGTCTTGAACCTCCTGGTCTCAAGTAATC
CTCCTGCCTTGGACTTCCAAAGTACAGAGATTACAGGCATGAGCCACCATGCCTGGCCTCATGTACACTT
TTTTTTTTTTTTGAGACAGAGTCTTGTCTGTTGCCCGGCTGGAGTGCAGTGGTGCATCTCGGCTCGC
TGCAAGCTCCGCCTCCCGATTACGCCATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGTG
CCCGCCACCACGCTGGTAATTTTTGTATGTTGGTAGAGATGGGTTTCACTGTGTTGGCCAGGATG
GTCTCGATCTCCTGACCTCATGATCTGCCCGCCTTGGCCTCCCAAAGTGTGGGAATTACAGGTGTGAGC
CACC CGCTGGGCGAAATATTTTTAAGTGTCTACCTCTCTGTACTCACAGGCAGTGTGATAGGTGCTTG
GTAATCAAAAGTGGTTAGCACATGCTACCTTCCCTCAAGTGAGACCATCTGACTTCCCTATAGTTAAGA
TAGAGACATACTATTTAAATAAATGTAATAAGCATTAAAGAGGTAGGGTAAACTTTTAGGGAGAAAAGG
TACACGTTGTATAATTATAGGTGCCAATTATTAATTTTAGCTAATTTTAGACATAAGGTAAGTACTGTGAA
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CTGCACAAGAGAAAAAGGATAATAAAGAATAAAGTTAGGGGCACAGAATAGACCCAGTCTTACTATTTG
AAATAGGAGTGGGGGAAGGGTCAAGAGTCTAAGGACAGTAAAGGACAGGAAGTGGCAACTGTAGA
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CGTCATCTGGGAAAACACTTTGTGTGTGTGTGAGACGGAGTCTCACTCTGTTGCCTAGGCTGGAGTGC
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GAGTATCTGGGAATACAGGTGTGCACCACCATGCCCGCTAATTTTTGTATTTTGGTAGAGACAGGGT
TTCACCATGCTGGCCAGGCTGGTCTCGAACTCCTGACCTCGTAATTCACCGGCCTCAGCCTCCCAAAGT
CTGGTATTACAGGTGTGAGCCACCGCCTGGCCACACTTTTTAATTTAGACTCTTATCACCCAG
GCTGTTTTTTCTGGACCAGGATGGGCCCTTGAACAAGTGGGTGAGGAGAGAAGTAAAGGGTAAAT
GTAGACCAGGAGAAATGGAGTGATAGACTGGAGGAAAGGGAAAGTCAAAAAGAATCTGTGAAAAGGA
AGAATTCACAAATAGGAAAATATCCAAGATTGACTCTTCCAATTGCCTGGGGCTTCTATTACTCTAATA
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ACCAAAGAAAGGAGCCAAGTGAATTTAGCTTGATTTACAGATATGAAAAGTAAGCAACTTGACAAGGT
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AAGCCTGGAGTGACACCACTGAAGGCTAGTCTGCCGTGGCTTCTGTACGCCGCCCTCCTCCCACC
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AGATTCTTTGTGGAAAGAGATTCTCGTGGATCAATCGACTTGCCCTACTTCACTCAGCTCCTGTATACCCTT
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CAGGATGAACTGGAGGAAGCAGAGGATGCTGCCGATCCGCTTCCGTGGCAAGCACTGCAGCAGGCTCCA
GACCCGGGCGCCACACTAACTATAAATGTCTCCAAAGTACACATTCAGAACTGTCTCTGGCAGTCGAA
TATCACTAGAGAAAAGTAAACAGAGAAGCATCCTTTAGATATTTTGTATGCAAAGATGGCTCTCCCCAA
ATCCAGTTTTTCAGCTCAGGATTATTTGTAATC
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5' Read Nucleotide Sequence:

>OriGene 5' read for AK092419 unedited
 GGTTACATTAGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTTTGGCAG
 TGTTTTAAGAGCAGATGTAGTTCATATACATTCTTTTTGTTTGTGTTTTGTTTTGAGAT
 GGAATCTCACTTTGTCTCCAGGCTGTAGTGCAGTGGCGCGGTCTGGCTCTCTGCAGCT
 TCAACCTCCTGGGCCAGGCAATCCCCTGCCCTAGCCTCCCAAGTAGCTGAGGCTACAG
 GCACACACCACCATACCCAGCAAATTTGTGTGTGTAACAAGGCTTACTATGTTGCC
 CAGGGTGGTCTTGAACCTCTGGTCTCAAGTAATCCTCCTGCCTGGACTTCCAAAGTACA
 GAGATTACAGGCATGAGCCACCATGCCTGGCCTCATGTACACTTTTTTTTTTTTTGAGA
 CAGAGTCTTGCTCTGTTGCCCGGCTGGAGTGCAGTGGTGCATCTCGGCTCACTGCAAG
 CTCGCTCCCAGATTACGCCATTCTCCTGCCTCGGCCTCCCGAGTGGCTGGGACTACA
 GGTGCCCGCCACCAGCCTAGCTAATTTTTGTATGTTTGTAGTAGAGATGGGGTTTCACTG
 TGTTAGCCAGGATGGTCTCGATCTCCTGACCTCATGATCTGCCCGCTCGGCCTCCCAAG
 TGCTGGGAATTACAGGTGTGAGCCACCGCCTGGGCCGAAATTTTTAAGTGTCTACCT
 CTCTGACTCACAGGCAGTGTGATAGGTGCCTGGTAATCAAAAGTGGTTAGCACATGCTA
 CCCTCTCCTCAGTGAGACCATCAGACGTTNTCTCTTTGGACTTTTTCTATATGTTAAC
 AATGATACCTACTTTTTAAAAATACATGTAATAAGCCACTAAAGAGGTANGGGCTTAAAC
 TTTTAGGGAGAAAAGACCACCTTGATTATTAAGGGGCCACTTATTACTATTTACC
 TAATNTTAAACATAG

3' Read Nucleotide Sequence:

>OriGene 3' read for AK092419 unedited
 TTTACTGTGNACCGCGGCCGCTTNCTAGGATCGAGTTTTTTTTTTTTTTTTTTGATTAC
 AAATATAATCCTGAGCTGAAAACTGGGATTTGGGGGAGAGCCATCTTGCATACAAAAT
 ATCTAAAGGATGCTTCTCTGTTTACTTTTCTCTAGTGATATTCGACTGCCAGAGACAGTT
 CTGAATGTGTGACTTTGGAGACATTTATAGTTTGTGTGGCGCCCGGCTGGAGCCTGC
 TGCAGTGTGCTGCCACGGAAGCGGATGCGGCAGCATCCTCTGCTTCTCCAGTTTCTCCTG
 GAGTTCCTGGCTGACACTAGACTGCAGGCTGCGGGCGTGAGCCACTCCTTCGGGAGGCA
 ACTCTGTAGAAAGGGTATACAGGAGCTGAAGTAGGCAAGTCGATTGATCCAGCGAGGAAT
 CTCTTTCCACAAAAGAATCTACAGAAGAGAAAGAGTTCTGTATTAGGTAAGAGAGGTTAA
 GATTACCTGGTCCACTGCCAGGGAGTGGAGGGTGGGAGGAGGGGGCGGGTACANAGAA
 GCCACGGCAGACTAGCCTTCAGTGGTGTCACTCCAGGCTTTTGATAACAAGCAGCTCTTT
 ACTCAGGACCTGGGCTCCCTACTGTTGGCTCCATTCTCTCTTTCTAAAGAACCTTGCTCA
 AGTTGCTTACTTTTCATATCTGTGAAATCAAGCTAATTTCACTTGGCTCCTTTCTTTGAT
 CTCTGCAACTGCTGTGAGACACACTGAANAGTACTTTGAACACCAGAAGACGCTTGTAA
 TACATATATTATTAGAGTAATAGAAGCCCCAGCAATTGGAAGATCAATCTTGAATTTT
 CCTATTTGTGGATTTCTTTTTTACAGATTCTTTTTGACTTTCCCTTTTCTCAGTGTCT
 TACTACTCCATTTCTCCCTGTCTAC

Restriction Sites:

NotI-NotI

ACCN:

AK092419

Insert Size:

2700 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: [AK092419.1](#)

RefSeq Size: 2766 bp

RefSeq ORF: 2766 bp

Locus ID: 51029

Cytogenetics: 1q44

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]