

Product datasheet for **RR208442**

Pdss2 (NM_001014249) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pdss2 (NM_001014249) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pdss2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208442 representing NM_001014249 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCTCCGGCAGCTGCTGTTGCGCTTGTCCGGTTATCTCGGGGCTTCTGGTCCCCCAAATCGCCACT
GGTGGTACTTCAGATCTCTCGACACCATCTCCTCGGTAGGCTCCTGGCGTGGTCCGTCCTCCAGGTCTCC
AGCCCATTTGGAACAGGTGGTGTGTCAGAGGCAGAGAAGATCGTGGGTTACCCCGCATCCTTCATGAGCCTC
CGCTGCCTGCTGAGCGACGAGCTCAGCAACGTCGCTATGCAGGTGCGGAAGCTGGTGGGGACTCAGCACC
CACTGCTTACCACTGCCAGGGGCTTCGTGCATGACAGCAGACATAACCTACAGCTGCGGGGCTGGTGGT
GCTGCTCATTTCAAAGCGGGGCCAGCACTAGGAACTCTTCCAGTCAGAACTACGACATGGTCAGT
GGGATATACTCATGTCAAAGAAATTTGGCAGAGATCACAGAACTTATACATACTGCTCTCCTGGTGCATC
GTGGGATAGTAAACCTAAGCGAATTACAGTCTTCTGATGGACCACTGAAAGACATGAAGTTTGGAAACAA
GATAGCTGTCTGAGTGGAGACTTCTCCTAGCAAACGCCTGTAATGGACTAGCTCTTCTACAGAACACC
AAGTTTGTGGAGCTCCTAGCAAGTGTCTGATGGACTTGGTCAAGGCATCTACCAGGAAAACCTGCTT
CCACCCAGGGAAATCCTATCCAGATGACATCAGAATATCGACCTGGAAGGAGCAGACTTTCCTATCCCA
CTGTGCCTTGTAGCGAAGAGCTGCAAGGCCGCCATGGAGTTAGCGAAGCATGACGCTGCGGTCCAAGAC
ATGGCGTTTCAATACGGAAGCACATGGCCATGAGCCACAAGATAAATCTGACCTCCAGCCTTTTATTA
AAGACAAGGCCAGTACTCTAAGACTTTTAACTAACTCGGCACCCGTAAGTCTTACATCAGGAGTTTCT
CGGGAGAGATTTGTGGATTAAGCAGATTGGAGAGGCTCAAGAAAAAGGAAGTTGAACTACACTAAGTTG
CGGAAACAATCAAAGCTGGCAAAGGTGTGACTTCAGCTATTGACCTGTGTCTTACCATGGAAACAAGG
CACTGGAGGCCCTGGAGAGCTTCCCTCCCTCAGAGGCCAGATCGGCTTTAGAAAACATTTGTGTTGCCGT
GACGAGATTTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208442 representing NM_001014249
Red=Cloning site Green=Tags(s)

MSLRQLLLRLSGYLGASGPPNRHWWYFRSLDTISSVGSWRGRSSRSPAHWNQVVSEAEKIVGYPASFMSL
 RCLLSDEL SNVAMQVRKLVGTQHPLLTTARGFVHDSRHNQLRGLVLLISKAAGPSTRNSSSQNYDMVS
 GIYSCQRNLAEITELIHTALLVHRGIVNLSELQSSDGPLKDMKFGNKIAVLSGDFLLANACNGLALLQNT
 KVVELLASALMDLVQGIYQENSASTQGNPIPDDIRISTWKEQTFLSHCALLAKSCKAAMELAKHDAAVQD
 MAFQYGKHMAMSHKINSDLPQFIKDKASDSKTFNLNSAPVVLHQEFLGRDLWIKQIGEAQEKGRNLNYTKL
 RETIKAGKGVTSALDLCRYHGKALEALESFPPSEARSALENIVFAVTRFS

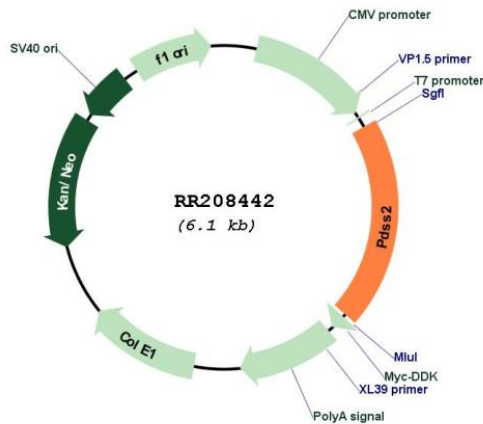
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014249

ORF Size:	1203 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:	<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_001014249.1 , NP_001014271.1
RefSeq Size:	2100 bp
RefSeq ORF:	1206 bp
Locus ID:	365592
UniProt ID:	Q5U2R1
Cytogenetics:	20q13
MW:	44.3 kDa
Gene Summary:	Supplies decaprenyl diphosphate, the precursor for the side chain of the isoprenoid quinones ubiquinone-10.[UniProtKB/Swiss-Prot Function]