

## Product datasheet for RN214736

### Fdps (NM\_031840) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fdps (NM\_031840) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fdps  
**Synonyms:** Ac2-125; FPS  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN214736 representing NM\_031840  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAATGGGGACCAGAACTGGATGTTTCATAACCAAGAAAAGCAGAATTCATCCAGCACTTCTCCAGA  
 TTGTCAAGGTGCTGACTGAGGATGAAGTGGACACCCAGAGAAGGGAGATGCTATTACCCGGATCAAGA  
 GGTCTGGAGTACAACACTGTAGGAGGCAAGTACAATCGGGTCTGACGGTGGTACAGACCTTCCAGGAA  
 CTGGTGAACCAAGGAAACAGGATGCTGAGAGCCTACAGCGGGCCCTGACGGTGGCTGGTGTAGAAC  
 TGCTCCAGGCTTTCTTCCCTCGTGTAGATGACATCATGGACTTCTCCCACTCGCCGGGGCAGATCTG  
 CTGGTATCAGAAGCCGGCATAGGCTTGGATGCCATCAACGATGCTCTGCTTCTGGAAGCCGCTATCTAC  
 CGCCTGCTTAAGTTCTACTGCAGGGAGCAGCCCTACTACCTCAACCTGCTGGAGCTTTTCTACAGAGTT  
 CCTATCAGACTGAGATCGGGCAGACTCTCGACCTCATCACAGCACCCAGGGCCAAGTGGATCTTGGTAG  
 ATACACTGAAAAGAGGTACAAATCTATCGTCAAGTACAAGACAGCTTTCTACTCTTTCTACCTGCATC  
 GCGGCTGCCATGTACATGGCTGGAATTGATGGGAGAAGGAACACGCTAATGCCCTGAAGATCCTGCTGG  
 AGATGGGCGAGTTCTTCCAGATCCAGGACGACTACCTTGATCTCTTGGAGACCCAGTGTGACCCGAA  
 GGTCGGCACTGACATCCAGGACAACAAATGCAGCTGGCTGGTGGTTTCAGTGTCTGCTACGAGCCACTCT  
 CAGCAGCGCCAGATCTTAGAGGAGAATTATGGGAGAAGGACCCAGAAAAAGTGGCGGGGTGAAAGCAC  
 TGTACGAGGAGCTGGATCTGCGGAGTGTGTTCTTCAAGTACGAGGAAGACAGTTACAACCGCTCAAGAG  
 TCTCATAGAGCAGTGTCCGCGCCCTGCCCCATCCATCTTCTGGAAGTAGCAAAACAAGATCTACAAG  
 CGGAGAAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031840



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<b>Insert Size:</b>	1062 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_031840.1, NP_114028.1</u>
<b>RefSeq Size:</b>	1271 bp
<b>RefSeq ORF:</b>	1062 bp
<b>Locus ID:</b>	83791
<b>UniProt ID:</b>	<u>P05369</u>
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	catalyzes the conversion of geranyl diphosphate and isopentenyl diphosphate to diphosphate and trans, trans-farnesyl diphosphate in the isoprene biosynthetic pathway [RGD, Feb 2006]