

Product datasheet for MC212222

Fdps (NM_134469) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fdps (NM_134469) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fdps
Synonyms: 6030492I17Rik; AI256750; Fdpsl1; mKIAA1293
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212222 representing NM_134469
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGGGAACCGAAAATTGGATGCTTATAACCAAGAAAAGCAGAATTCATCCAGCACTTCTCCAGA
 TCGTCAAGGTGCTGACTGAGAAGGAGCTGGACACCCAGAGATAGGGGATGCTATTGCCCGCTCAAGGA
 GGTCTAGAGTACAATGCCTTAGGAGGCAAGTACAACCGGGTTTGACCGTGGTACAAGCCTTCCAGGAG
 CTGGTGGAGCCGAAGAAACAGGATGCTGAGAGTCTTCAGCGGGCCCTGACAGTGGGCTGGTGTAGAAC
 TGCTCCAGGCTTTCTTCCTTGTGTCAGATGACATCATGGACTCTCCCTCACTCGCCGGGACAGATCTG
 CTGGTATCAGAAGCCAGGCATAGGCTTGGATGCCATCAACGACGCTCTGCTTCTGGAAGCCTCCATCTAT
 CGTTTGTGAAGTTCTACTGCAGGGAGCAGCCCTACTACCTGAACCTGCTGGAGCTTTTCTGCAGAGTT
 CCTATCAGACAGAGATCGGGCAGACTCTAGACCTCATGACAGCACCCAGGGCCATGTGGATCTTGGTAG
 ATACACTGAAAAGAGGTACAAATCGATTGTCAAGTACAAGACGGCTTTCTACTTTTCTACCTGCCTATT
 GCGGCCCATGTACATGGCAGGCATTGATGGGAGAAGGAACACGCCAATGCCCTGAAGATCCTGATGG
 AGATGGCGAGTTCTCCAGGTCCAGGACGACTACCTTGATCTCTTTGGAGACCCAGTGTGACGGGAAA
 GGTCGGCACTGACATCCAGGACAACAAATGCAGCTGGCTGGTGGTTTCAGTGTCTGCTACGAGCCTCTCT
 CAACAGCGCCAGATCTTAGAGGAGAATTATGGGCAGAAGGACCCAGAAAAAGTGGCTCGGGTGAAAGCAC
 TGTATGAGGCGCTGGATCTGCAGTCTGCTTTCTCAAGTATGAGGAAGACAGTTACAACCGCCTCAAGAG
 TCTCATAGAGCAGTGTCTGCGCCCTGCCCCATCCATCTTCATGGAACCTGCAAACAAGATCTACAAA
 CGGAGAAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_134469



[View online »](#)

Insert Size:	1062 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:	<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:	<u>NM_134469.4, NP_608219.1</u>
RefSeq Size:	1262 bp
RefSeq ORF:	1062 bp
Locus ID:	110196
UniProt ID:	<u>Q920E5</u>
Cytogenetics:	3 39.01 cM
Gene Summary:	<p>Key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. FPP also serves as substrate for protein farnesylation and geranylgeranylation. Catalyzes the sequential condensation of isopentenyl pyrophosphate with the allylic pyrophosphates, dimethylallyl pyrophosphate, and then with the resultant geranylpyrophosphate to the ultimate product farnesyl pyrophosphate (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.</p>