

Product datasheet for MC224682

Frmpd1 (NM_001081172) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Frmpd1 (NM_001081172) Mouse Untagged Clone
Tag: Tag Free
Symbol: Frmpd1
Synonyms: BC031840; mKIAA0967
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224682 representing NM_001081172
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGAGCTGGACGGCAGCTTATCCCAGACTCGAAAGCACACAGAATAGAACAGATGGTGGCAAGGT
 GGCTTCGGCGCTCCAGGGACAGCTCAGCCCGAGCTAAAGTCGCTGCAGCTGATGGCCACCCGGAAACCC
 AGCCAGGCACTCAGCCAGTGAGGCACACAGTAACTAGACAAAGATGTCCTCCTCCAGAACTATGGA
 TTCCACATTTCTGAGACTTCCCTCACAGTGGTGGCTGTACAGCAGGCGGCTCTGCTCACGGCAAGC
 TTTTCCCTGGTGATCAGATTCTCAAATGAACAATGAACTGGCTGAAGACCTTTCCTGTGAACGAGCGGC
 TGATATTCTCAGGGAACTGAAGATGCTTTTCAATTACAGTTGTCCGCTGCACATCGGGAGTCCCAAG
 TCATCCTTCTTGACTGAGGAGAAGCGGGCCCGCTGAAGAGCAACCCCGTGAAGGTGCACCTTTGCTGAGG
 AAGTACTGGTCAGTGGGCACAGTCAGGGAACTCTGCTTTGTATGCCAACGTGCTCAAGGTGTACCT
 GGAGAACGGACAGACAAAGCTTCAAGTTTGAGGCAACACAAGTGTGAAGGACATCATCCTCACGGTG
 AAGGAGAAGCTGTCCATCCGAAGCATCGAGTACTTTGCGCTGGCCCTTGAGGAACAGTACAGCATCTCC
 GCCTACACCTTCTGCATGAGGAAGAGCTGGTCCAGCAGTGGTAGAAAGGGAAGAATCCCAGGACCCCG
 CTGCCTTTCAGGTGAGCTTTGTGCCAAGGACCCCTGGACCTGCTGAAAGAAGACCCTGTGGCATT
 GAATATCTCTACCTTCAGAGCTGCACTGATGACTCCAGGAGCGCTTTGCTGTGGAGATGAAGTGAAC
 CTGCCCTCCGGCTTGACGCCCTGCACATCCAGGAGCGGATCTATGCCTGTGCCAGCCACAGAAGATCTC
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 GGCAAAGACATCAAGAAAGCCATTAGCTTCCACATGAAAAGAAACCAGAATCTGCTAGAACCCCGCAGA
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 GGTCTGACTTTGTTGCTGGAATCCAGCAGTGCAAAGACCTGGCCTGCTTGATCGCTGGTACTACAGG
 CTGTTTGTGGACCGGCCAACTCCGCTTCCACTGGTCTGAAACAGACGGCCGACGCACCGGTATCCG



CTGAAGAAGGCTACGAGTCCAGGGCCTGCAGTACTCGGAGGAGTCTCTGAAGTGGACTGTGACTGGA
 GCCCCTTTCTGACCGATGCCTGGTGAAGCTGAGCCTCTGCAGACCATTTGCTAGAGAGGAGCAGCCCCCT
 GGCGACAGCCCCACACCTGAGGCAACCAGAAGAGGTCCAAGCACCTGCGGGGCCAGCAGCATGACAGACA
 GTGCTGAATCGGAGGCATCGGACTCAGCCAACACAGAGAGCCGAGGCTGCAGGACCAGCGGGTCCAGTGA
 GTCCATGGACGCCCTGGAAGAGGACGACTTAGATGCGTGCTCTCCAGCGGGACCAGCTTCTTCCACTTT
 GGCCACCAGGCTTCTCAAAGGGCCTCGAGACCAACAGCCAAGAGGAAAACAGCAGGGTCGAGACCAGTG
 GCTTCTGTGTTTGTGGACCTGGGCCAGAATGCCAACCTCAGTGCCAGAAGATAGCCGTTCCCAGGG
 CCTTGCTTCGGAGGCCTGCAGCTGGGGACCAGAACTGAGCATGGGCAGGCTAGACCAGGCTGTATGAG
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 ACCAAGAGCACAATCCAGCCTCCAGGATCATGGAGATGGAGCCAGAGACCATGGAACCAAGTCAGTCA
 TTGATTCGAGTGTCTTCTATCTGCCATTCGCTCCGAATTGACCCAGCAACACAGAGAATCCTGT
 CACCACAGATGGTCTCAGCCAGCATCCCTCACAGCCCCATCACTCCAACCCAGGTTCTTCCAGCCCA
 CAGGCTGCTCAAGTCAGGCCTTTTCCAATCGTATCTCCAGATCAAGACCCAGGTGGCACCACCCCAAG
 AACTCACTGCAGAGCCTGAGGACAGCACCTTCCCTCTCTAGTGATCACCTAATCCAGATAACCCAGG
 GCCACACCAGTCTCTCAAGGAGACACATCAGAGCTGGGAGAGGTGCGGTGAGAAATAGGTCGGAATCT
 TTTTAAATAAATCACGTACAAGAGGTTATCCCCAAATCACAGGGCCCTTGTGCTGGAGATGGGCCTA
 CCAGCGGTGAATGTGAAGTGAATTCGGAAGAGACGGCCTTGGCTGCAGATGAGGTACAAGGACAGTGT
 CTTGGACAGTGACAGGGAAGTTATGCACAGAAATGGCCCTAGCCTATTCCAGAAGGGATCTGGGAAGGAC
 CTGGGTGATTCCAAGGTGACAGGTTAGATAATGTCCCACAAGCCCTTGACGTTAGAGCTCCAGTGGT
 AAATAACAGCTCCCTCTGCTCAGAGCCTCTGCAACAGGGACAGGACAGACCTCATCTGACTCTGAAGG
 GAAAAACAGAGAGGCCAGGAACAGGAGTTGTTGACAGAGCTGGACTTGGCCCTGATTTCTTACTTCCA
 TCAGCCTTCCCGCAGAGACAATAAAGGCAGAGCAGCTTGACCGGTGATCGGGGAAGACTCCGTCCCCG
 TGAGCACTTCTCAGCAGGTCTGTGTCCATACAGTACCATCCCTGCCAAAGCTTTCACCGTGTCAAGAAGA
 GCCTCGCTCGGCAGATTAGGCCATGGCTCACCAGCAGAGAGCAAGGTGACGACAGTCCATCATTTC
 CTACCGCCTGAGAGGTCGTTCTGTGCTTTGCCCCAGAGAGCCATCCCGAAGGCTCCACCAGTCTCAGCA
 GGGTCACTCCTTTCAGTTTTGCTGGCATAAACGAAGTGGCGCCCGCGGAGATTGGCATAGAACACTGCAG
 ATGTCAAGTTTTCTATGCCACATGCTTCCGGGGCTGCAGCCTGAGACAGAGGAAGAAGCAGGGGACCT
 CAGACACACCCTGCTGCCCTCTTACCTCCCCACCCTCTGCAGGAAGCCAAGTGACCCTGCCCTGGAGGG
 CAGCCCGTGCCTACAGCTGCACCACACCCTATCCAGGAAAAGCCACATCTGGCCAGAGTCTGTCCAG
 GGCTCTGAGACAGCTGAAAACACCCCAAAAATGCCCCGAGGGCTTTGTCCAACCTCACAGAGAGCCTG
 CTGGAGCTACAGGACATTTAGAAGCTTCTGGGGGTTGAAAACAAACACCCCTGACAAGTGCACCT
 TGCATTTTTAGAAAAGCCGGAGCCGGCTATGCATGGGCTCACAGAAGCTCCTAGCCAGCTGTCAACACGT
 GATCAGAATGGACCAATCCCCGAGGAGATGCAAGGTGCTGTGCGGGTCACTTTCAGCACCTGGTCCAG
 CTGGCCGGCTCTGCTTCCAGTTCACAGACTGTAGCCGCTGCTCCACCCGGCACAGGGAAGTGGCCGGGA
 ACCTGAGGACGTGGTATACACCTACCACCAATTTGTGGAGGCTGCGAAACTCACCTGTGAGAGAGGCTA
 CCATGACTTACAGCTGAAACTCTTGGCCCGCCAGTGCACGGCCCTCACAGCCGCTGTATTCTGTTTGACC
 CAGAAGTCCGGGCTCCACCCTGTGA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001081172

Insert Size:	4650 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_001081172.2</u> , <u>NP_001074641.1</u>
RefSeq Size:	4827 bp
RefSeq ORF:	4650 bp
Locus ID:	666060
UniProt ID:	<u>A2AKB4</u>
Cytogenetics:	4 B1
Gene Summary:	Stabilizes membrane-bound GPSM1, and thereby promotes its interaction with GNAI1. [UniProtKB/Swiss-Prot Function]