

Product datasheet for **MC219514**

Prodh (NM_011172) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Prodh (NM_011172) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Prodh |
| Synonyms: | Pro-1; Pro1; Ym24d07 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC219514 representing NM_011172
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCTCAAGCGCTTCTTCTGCTGCGGTGCGTGCCACCACGCGTCGCTGCCCTCTCAACCAAACCGC
 AAGCCCAGGAACAGCCTCCCGAGCCCTGAGGCTCTTCGGGGATGTGGGGCGGCCAAGGCTGTGCGGCC
 GCCTGTGCCAGCGTGGACTTACCAACACGCAGGAGCGTATCGCAGCCGGCGGAGTTGGGAGTTGGTG
 CGCAACCTGCTAGTGCTGCGGCTGTGTGCGTCGCCGCTGCTAGCGCACACGAGCAGTTGTTCCAAG
 TTGCCAGGAAGCTTTCGGGGCAAAGGATGTTTCGAGAGATTGATGAAGATGACCTTCTATGGCCATTTTGT
 GGCTGGCGAGGACCAGGAGTCTATCAGGCCTCTGATCCGGCACAACAAAGCCTTTGGTGTGGCTTTATC
 CTGGACTATGGAGTGGAGGAAGATCTGAGCCCTGAGGAGCGGAGCGCAAAGAGATGGAGTCATGCACTT
 CTGAAGCAGAGAGAGATGGCAGTGGAGCAAATAAGAGGGAGAAGCAGTATCAGGTGCACCCCGCCTTTGG
 AGACCGCAGAGATGGTGTATCAGTGCACCTACTTCTATGCCAATGAAGCCAAGTGTGACAACTAC
 ATGGAGAACTTACTGCAGTGCATCAAGGCCTCAGGTGGAGCCAGTGTGGTGGTTTCTCAGCCATTAAGC
 TCACTGCACTGGGAGACCACAGTTTCTGCTGCAGTTCTCAGACGTGCTGACCAGGTGGAGACGGTTCTT
 CCATCAAATGGCTGCAGAGCAGGGACAGGCTGGGCGTGTGCTGTAGACACAAAGCTGGAGGTGGCGGTG
 CTCCAGGACAGCATCGCAAAGATGGGCATCGCATCCAGGGCTGAGATTGAAGGGTGGTTCACGCCAGAGA
 CGCTGGGAGTGTCTGGCACCGTGGACTTGTGGACTGGAACAGCCTCATTGACAGCAGGACCCGGCTCTC
 CAGGCACTTGGTGGTCCCAATGTGCAGACTGGCCAGCTGGAGCCCTGCTGTACCGTTCACTGAGGAG
 GAAGAGCAGCAGATGAAAAGGATGCTGCAGAGGATGGATGTACTGGCCAAGAAAGCAAAGAGGCAGGTG
 TGGCCTGATGATTGATGCTGAGCAGAGCTACTTCCAACAGCCATCAGCCGCTGACCCTGGAGATGCA
 GCGCAGGTTCAATGTGGATAAGCCGTTCACTTCAACACATTCCAGTGCTACCTCAAGGATGCCTATGAC
 AATGTGACCTTGATATGGAACCTGGCTGCGCGTGGAGGCTGGTGTGTTGGGGCCAAGCTGGTACGTGGT
 CATACTGGCCCAAGAGCGTGTGAGGACAGCAGAGATCGGTTATGAGGACCCCATCAACCCTACATATGA
 AGCCACCAATGTATGTACCACAGGTGCCTTAACTATGTTCTGGAGGAGCTGAAGCACAGCACCAGGCA
 GAGGTGATGGTGGCTTCCACAACGAGGACACCGTGCCTTACGTTGTGACAGGATGAAGGAGATAGGCC
 TGCATCCTGCTGATGGTCAGGTGTGCTTCGGACAGCTGCTGGGGATGTGTGACCAAAATCAGTCCCACT
 AGGCCAGGAGGCTTTCCTGTGTACAAGTATGTGCCCTATGGCCCTGTGATGGAGGACTCCCTTACCTG
 TCCCGCGTGCCTGGAGAACAGCAGCATCATGAAGGGTCTCAGCGAGAGAGGCAGCTGCTATGGCAGG
 AGCTCCGAGGGCGCTGCGCACTGGCAGCCTTCCACCATCCGGCC**TAG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_011172

Insert Size: 1800 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: [NM_011172.2](#), [NP_035302.2](#)

RefSeq Size: 2283 bp

RefSeq ORF: 1800 bp

Locus ID: 19125

UniProt ID: [Q9WU79](#)

Cytogenetics: 16 11.19 cM

Gene Summary: Converts proline to delta-1-pyrroline-5-carboxylate.[UniProtKB/Swiss-Prot Function]