

## Product datasheet for **RN204324**

### Prodh2 (NM\_001038588) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Prodh2 (NM_001038588) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Prodh2
Synonyms:	HYPDH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204324 representing NM\_001038588  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTCTGGACGCGTCTGCCGCTGTACGGCCACTCCAAGCCCTCTACAGGTGGCTGGCAGCCCTGCGCT  
 TTGATGGTGGGGCCTTCCATCTCAAGAGAACCGCAGAAGTGGCAGGGCTTTGCTGGTGCTTCGCTATG  
 CGCCTGGCCCCCTTTGGTCACTCATGGACTAGCGTTTCAGGCCTGGTCTCAGCGACTCCTGGGATCTCGG  
 CTCTCGGGCGCACTTCTCCGAGCATCCATCTATGGACAGTTTGTGGCCGGGAGACAGCAGAGGAAGTGA  
 GGGGCTGTGTCCAGCAGCTGCAGGCGATAGGACTCCAGCCCTGTTGGCAGTGCCACCGAGGAGGAACC  
 AGACTCCGCTGCCAAGACCAGTGAAGCTTGGTATGAGGGGAACCTTAGCGCCATGCTGCACTGTGTGGAC  
 TTGTCACGAGCTGTGCGACAGCCCCATGGCCAGCCAGGAACAGCCTCATGCAGCTGAAGGTGACCGCGC  
 TAACCAGCCCTCGGCTTTGTAAGGAGCTATCGGCTTGGATCCAAAGACCAAGAGGCTCCTCGGAGCTGAG  
 GCCTGAGAGGCTGGCAGAAGCCATGGAGTCAGGTCGGAACCTCCAGCTCTCCTGCCTCAGCACGGAACAG  
 AATCAACACCTGCAGGCCTCCCTCAGCCGCTTGCACCGAGTGGCACAGCACGCCCGGGCGCAGGATGTGA  
 GGCTGCTGGTGGACGCTGAATACACGTTTCATCAACCCTGCCCTGTCCCTGCTGGTGGCTGCCCTGGCTAT  
 GCGCTGGAACAGCTCGGAGGAAGAGGGCCCGTGGGTGTGGAACACTTACCAGGCCTATCTGAAGGACACT  
 CACGAACGGCTGGAGCGGGATGCTAAGGCGGCACACGAGGCTGGCCTGGCATTGGGGTGAAGTTGGTGA  
 GAGGTGCCTATCTGGACAAGGAGAGATCCGTGACACAGCTCCACGGGAAGGAAGACTGTACCCAGCCTGA  
 CTATGAGGCCACTAGTCGGAGTTACAGCCGCTGTCTGGAGCTGATGCTGCGCCGCGTGTCCAACACGGT  
 CCCCCTGGCCACCTCATGGTGGCTTCCACAATGAAGAATCCATTGCCAGGCAACGAGGCGCATGTGGG  
 AGCTGGGCATTCCTCTGGATGGCCTGTCTGCTTCGGACAACCTCTGGGCATGTGTGACCACTCCCT  
 GGCATTAGGGCAAGCTGGATACATGGTATATAAGTCTATCCCCTATGGCTGCCTGGAAGAGGTGATACCC  
 TACCTGATCCGAAGAGCCAGGAGAACAGGAGTGTGCTGCAGGGCGCCCGAGGGAGCAGGCACTACTCA  
 GCCAAGAAGTGTGGCGGAGGCTGCTGGGAAGGAAAGCC**TAA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001038588

**Insert Size:** 1371 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\_001038588.1, NP\_001033677.1  
RefSeq Size: 1466 bp  
RefSeq ORF: 1371 bp  
Locus ID: 361538  
Cytogenetics: 1q21