

## Product datasheet for **RN215586**

### Ugdh (NM\_031325) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ugdh (NM_031325) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ugdh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN215586 representing NM\_031325  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGTTGAGATCAAGAAGATCTGTTGCATTGGTGCGGGCTACGTCGGCGGACCCACATGCAGTGTCAATTG  
CTCGCATGTGCCCTGAAATCAGGGTAACGGTTGTGGATGTCAATGAGGCCAGGATCAATGCATGGAATTC  
TCCAACGCTTCCTATTTATGAGCCTGGACTAAAAGAAGTAGTCGAATCCTGTCGAGGGAAAAACCTCTTT  
TTTTCTACCAATATTGATGATGCCATCAGAGAAGCCGATCTAGTGTTTATTTCTGTGAACACACCAACAA  
AAACATATGGAATGGGAAAAGGCCGGCGGCAGATCTGAAGTATATCGAAGCTTGTGCTCGCCGATTGT  
GCAGAACTCAAATGGGTACAAAATTGTGACTGAGAAAAGCACAGTCCCTGTGCGGGCAGCGGAAAGCATC  
CGCCGCATATTTGATGCCAACACAAAGCCCACTTGAATCTACAGTTCTGTCCAATCCTGAGTTCTTGG  
CAGAGGGAACAGCCATCAAGGACCTAAAGAACCCAGACAGAGTCTGATTGGAGGGGATGAGACCCAGA  
GGCCAGAGAGCTGTTCCAGGCACCTGTGCTGTGTACGAGCACTGGGTTCCCAAGGAAAAGATCCTCACC  
ACCAACACTTGGTCTCAGAGCTTCCAACTGGCAGCCAATGCTTTTCTTGCCAGAGGATCAGCAGCA  
TAACTCCATAAGTGCTCTGTGTGAAAGCACAGGCCCGATGTGGAAGAGGTGGCAACGGCTATCGGGAT  
GGACCAAGAATTGGAATAAGTTTCTAAAAGCCAGCGTTGGTTTTGGTGGGGGCTGCTTCCAAAAGAT  
GTTCTGAATTTGGTTTATCTCTGTGAGGCTCTGAATCTGCCCAGTAGCTGTTACTGGCAGCAGGTCA  
TAGACATGAATGACTACCAGAGGAGGAGTTTGCATCACGGATCATAGACAGCCTGTTTAAACAGTGAC  
TGATAAGAAGATAGCTATCTTGGGGTTTGCCTTCAAAAAGGATACTGGTGATACCAGGGAGTCCCTCAGT  
ATCTACATTAGCAAATACCTGATGGACGAGGGTGCACCTCCACATCTACGACCCAAAAGTACCCAGGG  
AGCAGATAGTGGTGGATCTTCTCATCCAGGCGTCTCAGCGGATGACCAAGTGTCCAGATGGTGACCAT  
TTCCAAGGATCCATATGAAGCATGTGATGGCGCCCATGCCCTCGTTATCTGCACAGAGTGGGACATGTTT  
AAGGAACTGGATTATGAACGATTTCATAAAAAGAATGCTGAAGCCAGCCTTCATATTTGATGGCCGCGTG  
TCCTGGATGGGCTCCACAATGAGCTACAGACCATTGGCTTCCAGATTGAAACAATTGGCAAAAAGGTATC  
TTCCAAGAGAATTCCATACACTCCTGGTGAATTCCAAAGTTTAGTCTTCAGGATCCACCTAACAAAGAAG  
CCCAAAGTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031325

**Insert Size:** 1482 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\\_031325.1](#), [NP\\_112615.1](#)

**RefSeq Size:** 2318 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 83472

**UniProt ID:** [O70199](#)

**Cytogenetics:** 14p11

**Gene Summary:** Catalyzes the formation of UDP-alpha-D-glucuronate, a constituent of complex glycosaminoglycans (By similarity). Required for the biosynthesis of chondroitin sulfate and heparan sulfate. Required for embryonic development via its role in the biosynthesis of glycosaminoglycans (By similarity).[UniProtKB/Swiss-Prot Function]