

Product datasheet for **MC205682**

Ugdh (NM_009466) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ugdh (NM_009466) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ugdh
Synonyms:	Udpgdh
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC006749
 GGGCAGCGCGGGGCGGTGGCCGGGTCCAGAGTCCCAGGAGGCTTGGCTGCAGGGGAATGAAGCCTCCGCC
 TTCCCCGCAGAAAGTATTTAAATACGGCCCGGGCCGGGGACTCGGGGAGCGCGGGCGGAGCGGTGGGT
 AGAGCCTGCGGCTTGGGAGGAAGGCGCTGTCCGAGAGAACGGGATCTGCACGGCCGCTGTGTCCCTGCTT
 TGGAAAGTGGTTCAGTCATGGTTGAGATTAAGAAGATCTGTTGCATTGGTGCAGGCTATGTCGGCGGACCC
 ACGTGCAGTGTCAATTGCTCACATGTGCCCTGAAATCAGGGTACGGTGTGGATGTCAACGAGGCAAGGA
 TCAATGCATGGAATTCCTCAACCTTCTATTTATGAGCCTGGATTAAGAAGAGTAGTCGAATCCTGTCTG
 AGGAAAAAACCTATTTTTTCTACCAATATTGATGATGCCATCAGAGAAGCCGATCTAGTATTTATTCT
 GTGAACACACCAACAAAAACATATGGGATGGGAAAAGGCCGGCAGCAGACCTGAAGTATATCGAAGCTT
 GTGCTCGCCGATTGTGCAGAACTCAAATGGGTACAAAATTGTCACGGAGAAAAGCACAGTCCCTGTGCG
 GGCAGCAGAAAAGCATCCGCCGATATTTGATGCCAACACAAAGCCCAACTGAATTTACAGGTGTGTCC
 AATCCTGAGTTCTTGGCAGAGGGAACAGCCATCAAGGACCTAAAGAACCAGGACAGATCCTGATTGGAG
 GGGATGAAACTCCAGAGGGCCAGAAAGCCGTTCCGGCTCTGTGTGCTGTGTATGAGCACTGGGTTCTAA
 GAAAAAGATCCTCACCACCAACCTGGTCTCGGAGCTTCCAAGCTGGCAGCCATGCATTTCTTGGC
 CAGAGGATCAGCAGCATCAACTCCATCAGCGCTCTGTGTGAAGCAACAGGCGCCGATGTGGAAGAGGTGG
 CAACGGCCATCGGGATGGACAAAGAATTGGGAATAAGTTTCTAAAGGCCAGCGTTGGTTTTGGTGGAA
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 TGTTTAAACAGTGACCGATAAGAAGATAGCTATCTTGGGGTTTGCATTAAGGATACTGGTGATAC
 CAGAGAATCCTCCAGTATCTACATTAGCAAGTACCTGATGGACGAGGGTGCACACCTCCACATATATGAT
 CAAAAGTACCCAGGGAACAAATAGTGGTGGACCTTCTCATCCGGGTGTCTCAGCGGATGACCAAGTGT
 CCAGACTGGTGACATTTCAAGGACCCATACGAAGCGTGTGATGGCGCCATGCCCTCGTTATCTGCAC
 TGAGTGGGACATGTTAAGGAAGTGGATTACGAACGGATTCAAAAAAATGCTGAAGCCAGCCTTTATC
 TTTGATGGTTCGGCGTGTCTGGATGGGCTCCACAGTGAGCTACAGACCATTGGCTTCCAGATTGAAACAA
 TTGGCAAAAAGGTGTCTTCCAAGAGAATCCGTACACTCCTGGTGAAGTCCGAAGTTTAGTCTTACGGA
 CCCACCTAACAGAAACCCAAAGTCTAGACATTGCCCTTACCTGGGATAACGTGGTACTTCAGGGTAG
 CCAGTGTCTGTCTGATACTAAATGGTAAATGAACTACATGTTTTAAGGAAACAAAAATATTTTTGTAAT
 CATCAAATTTATACTAGCTATATGGGTATTAGCATATCCAGTAATTATGAGTCTAGAGTAATTTTACAT
 ATTTTTATATTATGCTCTCAGTTACTGAATGAATGGAAAACAATCATGTTGTTTTAAATGTCAGTTT
 TTGTAATAAAAAATGAAACCTAGACATTTTCAGCATTACAAATGTCTACAGACTGCACTTTAATAATA
 CAAGGGAAGGAGTCTCGTTCTCATATGTGTTGTCTGCTTATCATTCAATGGGACTTTGAGCCATGAA
 ATCACTGTGCTAGTATGGGCTGGTTAAAGTTTCGCTGGCCTTTTGTTTAATGGGATTATGTCATTAGAGG
 TTTAATTGTTTTTTGTTTTTCCCAAGAGCTCACTCTGCATTTCTTCCCTGCCTAACTGAAACAGTGC
 TCTTTTTTTTTAAAAAATAAACCTGAGAAGAAAAATCAACAGTATGGTCTATTTTCATTTTGTCTTA
 GCTTCTGTAGCTGCTTGTACATTTGCATCTGTGAGTCAAGAAATGTTTGTATCTTTGATTTTTATTT
 CTATTACAATTAATGTTTTTCTTTAAGCAACAAATAAAATCCCATGTGTAGACTGGAAAAAATAA AAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_009466
- 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: [BC006749](#), [AAH06749](#)

RefSeq Size: 2461 bp

RefSeq ORF: 1482 bp

Locus ID: 22235

UniProt ID: [O70475](#)

Cytogenetics: 5 33.67 cM

Gene Summary: Catalyzes the formation of UDP-alpha-D-glucuronate, a constituent of complex glycosaminoglycans (PubMed:9737970). Required for the biosynthesis of chondroitin sulfate and heparan sulfate. Required for embryonic development via its role in the biosynthesis of glycosaminoglycans (PubMed:14505572).[UniProtKB/Swiss-Prot Function]