

Product datasheet for **SC214428**

UDP glucose dehydrogenase (UGDH) (NM_003359) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	UDP glucose dehydrogenase (UGDH) (NM_003359) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	UGDH
Synonyms:	DEE84; EIEE84; GDH; UDP-GlcDH; UDPGDH; UGD
ACCN:	NM_003359
Insert Size:	1418 bp



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Insert Sequence: >SC214428 3'UTR clone of NM_003359
The sequence shown below is from the reference sequence of NM_003359. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GATCCACCTAACAAAGAAACCTAAAGTGTAGAGATTGCCATTTTTATTGTGATTTTTTTTTTTTTTTTTT
TGGTACTTCAGGATAGCAAATATCTATCTGCTATTAATGGTAAATGAACCAAGTTTTTTTTTTTGTTT
TTTTTTGAGACAGAGTCTCACTGTTGCCAGGCTGGAGTGCAGTGGTGAATCTCGGCTCACTGCAAG
CTCTGCTTCCCAGGTTACGCCATTCTCCTGGCTCAGCCTCCCAAGTAGCTGGGACTACAGGCACCCGC
CACAGTGCCTGGCTAATTTTTGTATTTTTAGTAGAGACAGGGTTTCACCATGTGAGCCAGGATGGTCT
CAATCTCCTGACCTGTGAACCACCCGCTCGGCCTCCCAAAGTCTGGGATTACAGGTGTGAGCCACC
ACGCCTGGCCCATGAACCAAGTTTTTAAGGAAACAAAATTTTTTAAATCATCAGATTTATACTA
GCTATATGGATATTAGCATATCTGGTAATTATGAATCTAGAATTTTTTACATTTTTTATAAATACTGT
TAGCTCAGTTATTGGATGAGTGAAGATAATCATGTTGGTTTTAATAGTGAATTTTTGTAAAAATAA
AATTAACCTTCAAACCTTTACTTTATAAATTGTCATAGGCCACACTTAAATATCACATTATAAAGGG
AAGGACAGTCTTCATTCCTCCTGGTTATTGGTTTGTTCATTAAAGATATTTTTGAATCCATGAAA
TTGCTATGCTAAACAGCCTTACATGTATGGTCTGGTTAAAGTTCCTTTGTTCTTTTGTAAAAATAA
ATGTGCTACTGATTTTTAGCTCAAAATCATCACTGTTAATTTCCAGTCAACCCAAATATGGTAAAAAG
ATTTTTTTTTTAAATCATGAAGAGAAAATTAGTAGCATTCTTTCTCTCCCATTATTTATGGTTTTCC
TCACTAATCTTTTTTTTTTAGTCCAAAAGCCAAAATATTTATCTTGGTTTTACATTTTAAATTTCCAT
TCTTAATTGTAATTTTTCTTTAAATAAGGAAACCAATAAATCTCATGTATAAAAACCTAAATATTT
TACAAGTTACATATAGCATCATTCTAAAATAAGAATTTTTTTTTGTTTTCTGCTGCTTTTTCTTATGT
CTCTTGTGAGTTTTATTTTTAGTGGTTATTTTTGCTTGTGTTAGATCATTATTAATAATATATCCAA
TGTCCCTTTGATACTTGTGCTCTGCTGAGAATGTACAGTTGCATTAAACATCCCAGGTCTCATCTTC
AGGAATTTGAGTTCAATGAGAAGAGGGAGACAAATATAAAGATGAGGACAGAAGCATCTCTACAGAT
GAAAATTACATAAATAAAACATTCTCCATCAACAATA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_003359.4](#)

Summary: The protein encoded by this gene converts UDP-glucose to UDP-glucuronate and thereby participates in the biosynthesis of glycosaminoglycans such as hyaluronan, chondroitin sulfate, and heparan sulfate. These glycosylated compounds are common components of the extracellular matrix and likely play roles in signal transduction, cell migration, and cancer growth and metastasis. The expression of this gene is up-regulated by transforming growth factor beta and down-regulated by hypoxia. Alternative splicing results in multiple transcript variants.[provided by RefSeq, May 2010]

Locus ID: 7358

MW: 55.1