

Product datasheet for **SC201450**

IDUA (NM_000203) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	IDUA (NM_000203) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	IDUA
Synonyms:	IDA; MPS1; MPSI
ACCN:	NM_000203
Insert Size:	201 bp
Insert Sequence:	>SC201450 3'UTR clone of NM_000203 The sequence shown below is from the reference sequence of NM_000203. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGAGGGCCCCATCCCCGGCAATCCATGAGCCTGTGCTGAGCCCCAGTGGGTTGCACCTCCACCGGCA GTCAGCGAGCTGGGGCTGCACTGTGCCATGCTGCCCTCCATCACCCCTTTGCAATATATTTTTATA TTTTATTATTTCTTTTATATCTTGGTACCAACGCCCTTTAAAGCGGCTTTGCACAGGTCA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<u>NM_000203.5</u>



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Summary: This gene encodes an enzyme that hydrolyzes the terminal alpha-L-iduronic acid residues of two glycosaminoglycans, dermatan sulfate and heparan sulfate. This hydrolysis is required for the lysosomal degradation of these glycosaminoglycans. Mutations in this gene that result in enzymatic deficiency lead to the autosomal recessive disease mucopolysaccharidosis type I (MPS I). [provided by RefSeq, Jul 2008]

Locus ID: 3425

MW: 7.2