

Product datasheet for **SC202029**

Iduronate 2 sulfatase (IDS) (NM_006123) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Iduronate 2 sulfatase (IDS) (NM_006123) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	IDS
Synonyms:	ID2S; MPS2; SIDS
ACCN:	NM_006123
Insert Size:	187 bp
Insert Sequence:	>SC202029 3'UTR clone of NM_006123 The sequence shown below is from the reference sequence of NM_006123. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CATGGTTTCCTCATGAGGACAAATACCTGATTTTTGAATAAAGCAGCATTAGTTGAAATAACCCTTTCT GTGGTAATCCAAGTGAATATTTTTCTTCTAGGTGATGAGTTTCTACTTCTCTGGTTTTTACAACAGG AAATGAAATGGTATCTAAAATAAACAAGCTGTGGTATGATGATTATCA ACGCGT AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_006123.5</u>



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Summary: This gene encodes a member of the sulfatase family of proteins. The encoded preproprotein is proteolytically processed to generate two polypeptide chains. This enzyme is involved in the lysosomal degradation of heparan sulfate and dermatan sulfate. Mutations in this gene are associated with the X-linked lysosomal storage disease mucopolysaccharidosis type II, also known as Hunter syndrome. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016]

Locus ID: 3423

MW: 7.1