

## Product datasheet for **SC200915**

### MAN2B1 (NM\_000528) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MAN2B1 (NM_000528) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MAN2B1
Synonyms:	LAMAN; MANB
ACCN:	NM_000528
Insert Size:	138 bp
Insert Sequence:	>SC200915 3'UTR clone of NM_000528 The sequence shown below is from the reference sequence of NM_000528. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TCAGTTCAATGGAAGGAGGTGGATGGT TAGGTCTGCTGGGATGGGCCTCCAAGCCCAAGCCTCCTGCT CCGGGGCAGACCAGACTCTGACTCTCTTGGGGCTGCTGCCATTAACGCTACTACTAAGACTCA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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><a href="#">NM_000528.4</a></u>



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**Summary:** This gene encodes an enzyme that hydrolyzes terminal, non-reducing alpha-D-mannose residues in alpha-D-mannosides. Its activity is necessary for the catabolism of N-linked carbohydrates released during glycoprotein turnover and it is member of family 38 of glycosyl hydrolases. The full length protein is processed in two steps. First, a 49 aa leader sequence is cleaved off and the remainder of the protein is processed into 3 peptides of 70 kDa, 42 kDa (D) and 13/15 kDa (E). Next, the 70 kDa peptide is further processed into three peptides (A, B and C). The A, B and C peptides are disulfide-linked. Defects in this gene have been associated with lysosomal alpha-mannosidosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2010]

**Locus ID:** 4125

**MW:** 5.1