

## Product datasheet for **SC207970**

### MAN1B1 (NM\_016219) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MAN1B1 (NM\_016219) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MAN1B1  
**Synonyms:** ERMAN1; ERManI; MANA-ER; MRT15  
**ACCN:** NM\_016219  
**Insert Size:** 622 bp  
**Insert Sequence:** >SC207970 3'UTR clone of NM\_016219  
The sequence shown below is from the reference sequence of NM\_016219. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACCTCTGCCTATCTGGACCCCTGCC TAGGGTGGATGGCTGCTGGTGTGGGACTTCGGGTGGGCAGA
GGCACCTTGGTGGTCTGTGGCATTTCCTCAAGGGCCACGTAGCACCGCAACCGCCAAGTGGCCAGG
CTCTGAACTGGCTCTGGGCTCCTCCTCTCTCTGCTTTAATCAGGACACCGTGAGGACAAGTGAGGCCG
TCAGTCTTGGTGTGATGCGGGTGGGCTGGGCCCTGGAGCCTCCGCCTGCTTCTCCAGAAGACACGA
ATCATGACTCACGATTGCTGAAGCCTGAGCAGGTCTCTGTGGGCCGACCAGAGGGGGCTTCGAGGTGG
TCCCTGGTACTGGGTGACCGAGTGGACAGCCAGGGTGCAGCTCTGCCGGGCTCGTGAAGCCTCAGA
TGTCCCAATCCAAGGTCTGGAGGGGCTGCCGTGACTCCAGAGGCTGAGGCTCCAGGGCTGGCTCTG
GTGTTTACAAGCTGGAAGTCCCTCCTGGCCGCCCGCAGGGGGCTTGGAGGGCTGGACGGCAAG
TCCGTCTAGCTCACGGGCCCTCCAGTGAATGGTCTTTTCGGTGGAGATAAAAAGTTGATTTGCTCTAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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.



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RefSeq: [NM\\_016219.5](#)

**Summary:** This gene encodes an enzyme belonging to the glycosyl hydrolase 47 family. This enzyme functions in N-glycan biosynthesis, and is a class I alpha-1,2-mannosidase that specifically converts Man9GlcNAc to Man8GlcNAc isomer B. It is required for N-glycan trimming to Man5-6GlcNAc2 in the endoplasmic-reticulum-associated degradation pathway. Mutations in this gene cause autosomal-recessive intellectual disability. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 11. [provided by RefSeq, Dec 2011]

**Locus ID:** 11253

**MW:** 22