

Product datasheet for **SC102445**

MANEA (AY048775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MANEA (AY048775) Human Untagged Clone
Tag:	Tag Free
Symbol:	MANEA
Synonyms:	ENDO; hEndo
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AY048775, the custom clone sequence may differ by one or more nucleotides

```
ATGGCAAAGTTTCGGAGAAGGACTTGCATCATTTTGGCACTTTTTATTCTATTTATTTTCTCTCTGATGA  
TGGGTTTAAAAATGCTGAGACCAAATACAGCTACTTTTGGAGCTCCTTTTGGACTTGACCTTCTCCAGA  
ACTTCATCAACGAACTATTCATTTGGGGAAAAATTTTGATTTCCAAAAGAGTGACAGAATCAACAGTGAA  
ACAAATACCAAGAATTTAAAAAGTGTGAAATCACTATGAAACCTTCCAAAGCCTCTGAACCTAACTTGG  
ATGAACTACCACCTCTGAACAATTATCTACATGTATTTTATTACAGTTGGTATGGAAATCCACAATTTGA  
TGGTAAATATATACATTGGAATCATCCAGTGTAGAGCATTGGGACCCTAGAATAGCCAAGAATTATCCA  
CAAGGGAGACACAACCCTCCAGATGACATTGGCTCCAGCTTTTATCCTGAATTGGGAAGTTACAGTTCTC  
GGGATCCTTCTGTATAGAACTCACATGAGACAAATGCCTCAGCTTCAATTGGTAATTATTGTATATA  
TATATATATATGTGTGTTGTGTCTGTATATATGCATATAAATGATTTTTTGTGTAACCTTACTAGTTAA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for AY048775 unedited GTCAGCAATTGTATACGACTCACTATAGGCGGCCGCGATTCCGGCAGCAGCCTGAAACGCC CGGAACGCTGTGCGCGCGCCTTCGGGGAGGAGGGGCTGTCTGGGCTCGGGGCGCGGCGGC AGTCAGCTCTATGTTGCGGGTCTAACCTCTCCTCTGGCCGAGTCTTGAAGAAGTGAA TTACCCGACCCTGCAAAACACTTACTATTTGGAGTTTAAAGTATGTCATCATGGCAAAG TTTCGGAGAAGGACTTGCATCATTTTGGCACTTTTATTCTATTTATTTTCTCTCTGATG ATGGGTTTAAAAATGCTGAGACCAATACAGCTACTTTTGGAGCTCTTTTGGACTTGAC CTTCTTCCAGAATTTCATCAACGAACTATTCATTTGGGGAAAAATTTTGATTTCCAAAAG AGTGACAGAATCAACAGTGAAACAAATACCAAGAATTTAAAAAGTGTGAAATCACTATG AAACCTTCCAAAGCCTCTGAACTTAACTTGGATGAACTACCACCTCTGAACAATTATCTA CATGTATTTTATTACAGTTGGTATGGAAATCCACAATTTGATGGTAAATATATACATTGG AATCATCCAGTGTAGAGCATTGGGACCCTAGAATAGCCAAGAATTATCCACAAGGGAGA CACAACCTCCAGATGACATTGGCTCCAGCTTTTATCCTGAATTGNGAAGTTACAGTTCT CGGGATCCTTCTGTCATAGAAACTCACATGAGACAAATGCGCTCAGCTTCAATTGGTGA CTAGCCCTCTCTGGTACCCACCTGATGTAATGATGAAAATGGAGAACCTACTGATNAC TGGNTACCCACTANTTTGGATAAAGCTCATAAATAAAACCTANAGGNNNTACTTTCACA TAGAACCCATATAGCATCGAGATGATCAAACATGTACANAANATGTCAGTATATTATAG ACAAA
Restriction Sites:	NotI-NotI
ACCN:	AY048775
Insert Size:	4530 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	AY048775.1 , AAL07307.1
RefSeq Size:	1096 bp
RefSeq ORF:	630 bp
Locus ID:	79694
Cytogenetics:	6q16.1
Protein Families:	Transmembrane

Gene Summary:

N-glycosylation of proteins is initiated in the endoplasmic reticulum (ER) by the transfer of the preassembled oligosaccharide glucose-3-mannose-9-N-acetylglucosamine-2 from dolichyl pyrophosphate to acceptor sites on the target protein by an oligosaccharyltransferase complex. This core oligosaccharide is sequentially processed by several ER glycosidases and by an endomannosidase (E.C. 3.2.1.130), such as MANEA, in the Golgi. MANEA catalyzes the release of mono-, di-, and triglucosylmannose oligosaccharides by cleaving the alpha-1,2-mannosidic bond that links them to high-mannose glycans (Hamilton et al., 2005 [PubMed 15677381]).[supplied by OMIM, Sep 2008]