

Product datasheet for **SC126732**

MANEA (NM_024641) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MANEA (NM_024641) 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)



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Fully Sequenced ORF: >OriGene ORF within SC126732 sequence for NM_024641 edited (data generated by NextGen Sequencing)

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ATGGCAAAGTTTCGGAGAAGGACTTGCATCATTTTGGCACTTTTTATTCTATTTATTTTC
TCTCTGATGATGGGTTTAAAAATGCTGAGACCAAATACAGCTACTTTTGGAGCTCCTTTT
GGACTTGACCTTCTTCCAGAACTTCATCAACGAACTATTCATTTGGGGAAAAATTTTGAT
TTCCAAAAGAGTGACAGAATCAACAGTGAACAAATACCAAGAATTTAAAAAGTGTGAA
ATCACTATGAAACCTTCCAAAGCCTCTGAACCTTAACTTGGATGAACTACCACTCTGAAC
AATTATCTACATGTATTTTATTACAGTTGGTATGGAAATCCACAATTTGATGGTAAATAT
ATACATTGGAATCATCCAGTGTTAGAGCATTGGGACCCTAGAATAGCCAAGAATTATCCA
CAAGGGAGACACAACCCTCCAGATGACATTGGCTCCAGCTTTTATCCTGAATTGGGAAGT
TACAGTTCTCGGGATCCTTCTGTGATAGAACTCACATGAGACAAATGCGCTCAGCTTCA
ATTGGTGTACTAGCCCTCTTGGTACCCACCTGATGTAATGATGAAAAATGGAGAACCT
ACTGATAACTTGGTACCCACTATTTTGGATAAAGCTCATAAATAAACCTAAAGTTACT
TTTCACATAGAACCATATAGCAATCGAGATGATCAAAACATGTACAAAAATGTCAAGTAT
ATTATAGACAAAATATGGAAATCATCCGGCCTTTTACAGGTACAAGACGAAGACTGGCAAT
GCTCTTCTATGTTTTATGTCTATGATTCTATATTACCAAGCCTGAAAAATGGGCAAT
CTGTTAACCACTCAGGGTCTCGGAGTATTCGCAATTCTCCTTATGATGGACTGTTTATT
GCCCTTCTGGTAGAAGAAAAACATAAGTATGATATTCTTCAAAGTGGTTTTGATGGAAAT
TACACATATTTTCCACAAAATGGCTTTACTTATGGCTCATCACATCAGAAATGGGCTAGC
CTAAAATATTTTGTGATAAATACTAATATTTTATCCCAAGTGTGGGCCAGGATAC
ATAGATACCAGCATCCGTCATGGAACACGCAAAACACTCGGAACCGAATCAATGGGAAG
TATTATGAAATGGTCTGAGTGCCGCACTTCAGACACGCCCCAGCTTAATTTCTATCACC
TCTTTTAAATGAGTGGCATGAAGGAACTCAGATTGAAAAAGCTGTTCCAAAAGAACCAGT
AATACAGTGTACCTAGATTACCGTCTCATAAACCAAGGCTTTACCTAGAAGTACTGCTCGC
AAGTGGTCTGAAAAATACAGTAAGGAAAGCAACTTATGCATTAGATCGCCAGCTGCCT
GTTTCTTAA
    
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Clone variation with respect to NM_024641.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_024641 unedited

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TCACTATAGGCGGCCCGGAATTCGCACGAGGGTTCGCGGTCTTAACCTCTCCTCTGGCC
GAGTCCTTGCAAGAAGTGAATTACCCGACCCTGCAAAACACTTACTATTTTGGAGTTTAA
AGTATGTCATCATGGCAAAGTTTCGGAGAAGGACTTGCATCATTTTGGCACTTTTTATTC
TATTTATTTTCTCTCTGATGATGGGTTTAAAAATGCTGAGACCAAATACAGCTACTTTTG
GAGCTCCTTTTGGACTTGACCTTCTTCCAGAACTTCATCAACGAACTATTCATTTGGGGA
AAAATTTTGATTTCCAAAAGAGTGACAGAATCAACAGTGAACAAATACCAAGAATTTAA
AAAGTGTGAAATCACTATGAAACCTTCCAAAGCCTCTGAACCTTAACTTGGATGAACTAC
CACCTCTGAACAATTATCTACATGTATTTTATTACAGTTGGTATGGAAATCCACAATTTG
ATGGTAAATATATACATTGGAATCATCCAGTGTTAGAGCATTGGGACCCTAGAATAGCCA
AGAATTATCCACAAGGGAGACACAACCCTCCAGATGACATTGGCTCCAGCTTTTATCCTG
AATTGGGAAGTTACAGTTCTCGGGATCCTTCTGTGATAGAACTCACATGAGACAAATGC
GCTCAGCTTCAATTGGTGTACTAGCCCTCTTGGTACCCACCTGATGTAATGATGAAA
ATGGAGACCTACTGATAACTTGGTACCCACTATNTGGATAAGCTCATAATATACCCTAA
GTTACTTTTACATANAACATATAGCATCGAGATGATCAAAGTCAAAAATGTCAGTTTTT
ATAGACAATATGAAATATCCGGCCTTC
    
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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]