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Product datasheet for SC126688

MAN1A2 (NM_006699) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAN1A2 (NM_006699) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAN1A2
Synonyms:	MAN1B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC126688 sequence for NM_006699 edited (data generated by NextGen Sequencing)

ATGACTACCCCAGCCCTGCTGCCCCTCTCTGGACGTAGGATACCACCTCTGAACCTGGGG
CCGCCTTCCTTCCCACATCACAGGGCTACCTTGAGACTTTCTGAGAAGTTTATTCTTCTC
CTTATTCTTAGTGCCTTCATCACTCTGTGTTTTGGGGCATTCTTTTTCCTTCCAGACTCT
TCAAAACACAAACGCTTTGATTTGGGTTTAGAAGATGTGTTAATTCCACATGTAGATGCC
GGTAAAGGGGCTAAAAACCCCGGAGTCTTCCTGATCCATGGACCCGATGAACATAGACAC
AGGGAAGAGGAAGAACGTCTGAGAAATAAAATTCGAGCTGATCATGAGAAGGCCTTGGAA
GAAGCAAAAGAAAAATTAAGAAAGTCAAGAGAGGAAATTCGAGCAGAAATTCAGACAGAG
AAAAATAAGGTAGTCCAAGAAATGAAGATAAAAGAGAACAAGCCACTGCCACCAGTCCCT
ATTCCCAACCTTGTAGGAATACGTGGTGGAGACCCAGAAGATAATGACATAAGAGAGAAA
AGGGAAAAAATTAAAGAGATGATGAAACATGCTTGGGATAACTATAGGACATATGGGTGG
GGACATAATGAACTCAGACCTATTGCAAGGAAAGGACACTCCCCTAACATATTTGGAAGT
TCACAAATGGGTGCTACCATAGTAGATGCTTTGGATACCCTTTATATCATGGGACTTCAT
GATGAATTCCTAGATGGGCAAAGATGGATTGAAGACAACCTTGATTTCAGTGTGAATTCA
GAGGTGTCTGTGTTTGAAGTCAACATTCGATTTATTGGAGGCCTACTTGCAGCATATTAC
CTATCAGGAGAGGAGATATTCAAGATTAAAGCAGTGCAATTGGCTGAGAAACTCCTTCCT
GCCTTTAACACACCTACTGGGATTCCTTGGGCAATGGTGAATTTGAAAAGTGGAGTAGGG
CGAAACTGGGGCTGGGCATCTGCAGGTAGCAGCATTCTGGCTGAATTTGGTACACTACAT
ATGGAGTTCATCCACCTCAGCTACTTGACAGGGGACCTGACTTACTACAAAAAGGTTATG
CACATTCGGAAACTACTTCAGAAAATGGATCGTCCAAATGGTCTTTATCCAAATTATTTG
AACCCCAGAACAGGGCGCTGGGGTCAGTATCATACATCTGTCGGTGGCCTGGGAGACAGT
TTTTATGAATACTTACTGAAAGCATGGTTGATGTCAGATAAAACAGACCATGAGGCAAGA
AAGATGTATGATGATGCTATTGAGGCTATAGAAAAACATCTTATTAAGAAGTCTCGTGGA
GGTCTTACCTTTATTGGAGAATGGAAGAATGGGCACTTGGAAAAAAAGATGGGGCATTTG
GCCTGCTTTGCTGGGGGAATGTTTGCACTAGGAGCAGATGGTTCCAGAGCAGATAAAGCT
GGTCATTATTTAGAGCTAGGGGCAGAAATTGCACGTACTTGTCATGAGTCATATGACAGA
ACTGCATTAAAGCTAGGTCCTGAATCATTCAAGTTTGATGGTGCAGTGGAGGCTGTGGCT
GTCCGGCAGGCTGAAAAGTATTATATCCTCCGTCCAGAAGTAATTGAAACCTATTGGTAC
CTATGGCGATTCACTCACGATCCAAGATACAGGCAGTGGGGCTGGGAAGCAGCACTGGCC
ATTGAAAAGTATTGCCGAGTTAATGGTGGGTTTTCTGGAGTCAAAGATGTATATTCCTCT
ACTCCTACACATGATGATGTACAGCAGAGCTTTTTTCTTGCTGAAACATTAAAATATTTG
TATCTGCTGTTCTCCGGTGATGACCTTTTACCTTTAGACCACTGGGTGTTTAATACAGAG
GCTCACCCTCTGCCTGTGTTACATTTAGCCAACACCACACTTTCAGGTAATCCTGCTGTT
CGATGA

Clone variation with respect to NM_006699.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006699 unedited
AATTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCCTCGTGCCGAA
TTCGGCACGAGGCGCCAGTCTCCCTTTCGGGGCGGAAGACTACGTTTGAGCATCTCACTG
AGGTGCAGGAATGGAAGAACCCACCTTGCAGCTTTTCTGCAGTGTGGCTTGCCTGATCTA
CCCCTAGGAATGAAGAGGAGGCTTGTAATAATCCGATGAAGTACAGATGTTGAAGAGGAT
ATCGCAGGACCTAAACTTGTGATCGTTTGGGGGAGGTCACACACGTTTCTGAGTGGGAAT
GGATGGGCGTGAATGACGTGCCCTCTTAAAAAGCACAACAGTCCTTTAAGAGGAGCAAAA
TTGAGTTTTCCCATTTTGGCCAAGATTTTGAAGACAGTTCAATGTATTCTACATTTGACA
TAAGATGAGAACTTTCTAAAGTATTCTCTCCAAGAGCGTAAACGATGACTACCCCAGCCC
TGCTGCCCCTCTCTGGACGTAGGATACCACCTCTGAACCTGGGGCCGCCTTCCTTCCCAA
TCACAGGGCTACCTTGAGACTTTCTGAGAAGTTTATTCTTCTCCTTATTCTTAGTGCCTT
CATCACTCTGTGTTTTGGGGCATTCTTTTTCCTTCCAGACTCTTCAAACACAAACGCTNT
GATTTGGGTTTAGAAGATGTGTTAATTCCACATGTAGATGCCGGTAAAGGGGCTAAAACC
CCGGAGTCTTCCTGATCATGGACCCGATAACATAGACCAGGGAAGAGGANGAACGTCTGA
GAAATAAATCGAGCTGACATGANAAGGCCTTNGGAGAGCAAAGAAAATTAGAAGTCAGAG
AGGAAATCGGCAGAAATCAACGAGAAATTAAGGTGTCAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006699 unedited
TAGCTATGNAACGCGGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTCATTTGT
AGCTGACTTTAATTGCCTTTGGTATTCAGGAGAATAAAAAATGGAAGTACTTTTATAAGC
TCTAGTCTTTCCATCACATAAAAGGTAAGGAGTGGTGAAAAAAACCCTTCCATTGTCCCT
GTCAAATTCTTTGTTTGTACCAAAACTGGCTCTGCTTGTATACTTCCCTGCCTTCTCTTA
AGCTTCAGTCATCTGGGTAATACAAATAGAGCACTTGGAAGTAGGGGTTCTGTCTCCTCA
TCCCTTGAGAAGTTCCTGCAGAACCAAGAAGGTCCCTTTACTCTGCATTCTTCTAAATAA
GGTAAAAGAGAATTCAGAGAGTTCATTGCCATCTGCACTGCTGCTCTGCATCTTTGCCAA
CTCAAGTTTTTCACTTTTTCTCAGTGATTCATAAGTGGGCTTGTGCTACTTTTACGAGGA
AGGCTAACATTTTTTAGAACCAAATACTTTCCCTTTTCCCTTCTACAGTTACAGTAATAT
ATATACCTTTCTCATTTAGAAATTTAAATGTTCAAGTAGTAAAAGATATTACAATGTCAA
AACATGTGCTATAATTTAACTCTCTTAAGGACTATTGTAACTGGCCCTGCATCCTTATTT
TCTACTGAAATTTTTTTGCAGTGAAAAATTTTATACTGAAAAAATTTGCAGTGGTTATCA
TTTACGGATCAGTAGAACTGTCAAAATTAACGATTCGTGGTATAAGATGATCAACCTTAG
AAATACTATATTAGTTAATTAAAGCCTTCCCCCACTCAAAACCTAAGTTTAAAAGAAAAG
CTTATCAAACAAGAAAATAAGCCTTCAAATTTCCAAGTGGGCTTCTTGTACAAACTTTGT
TTCAGGAATTCTCAATTCAGAGNAAAGTTTACCTAATATACTGGTTCTAAGTTTAATAAT
GCAATGAC

Restriction Sites: NotI-NotI

ACCN: NM_006699

Insert Size: 1926 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:	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:	NM_006699.3, NP_006690.1
RefSeq Size:	5388 bp
RefSeq ORF:	1926 bp
Locus ID:	10905
UniProt ID:	O60476
Cytogenetics:	1p12
Domains:	Glyco_hydro_47
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
Gene Summary:	Alpha-mannosidases function at different stages of N-glycan maturation in mammalian cells. See MAN2A1 (MIM 154582) for general information.[supplied by OMIM, Mar 2008]