*h*MAN1A2 VersaClone cDNA

Catalog Number: RDC3060

Specifications:

Gene:	*h*MAN1A2
Accession:	NP_006690.1
Insert size:	1939bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

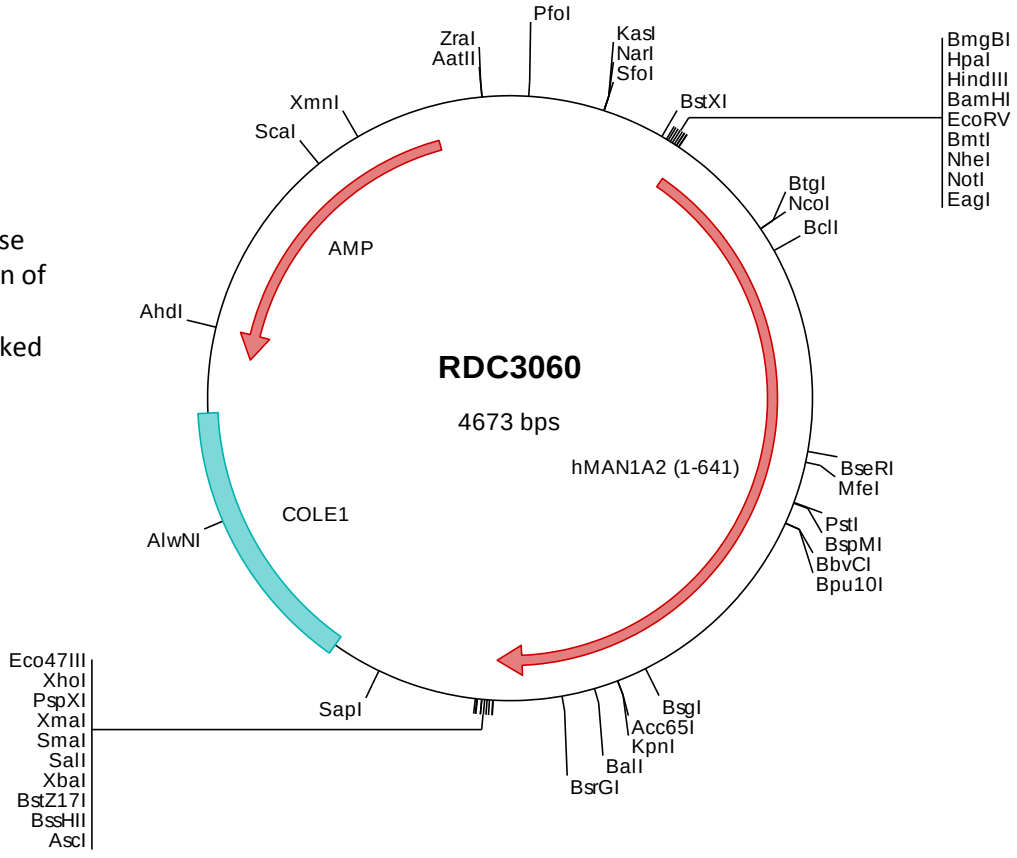
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*MAN1A2 cDNA Plasmid

MAN1A2 mannosidase alpha class 1A member 2 [*Homo sapiens* (human)]

Also known as: MAN1B

Summary:
MAN1A2 is an alpha-mannosidase that is involved in the maturation of Asn-linked oligosaccharides. It progressively trims alpha-1,2-linked mannose residues from Man(9)GlcNAc(2) to produce Man(5)GlcNAc(2).



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

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> RDC3060 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgactaccc cagccctgct gcccctctct ggacgtagga taccacctct
 501  gaacctgggg ccgccttcct tcccacatca cagggctacc ttgagacttt ctgagaagtt tattcttctc cttattctta gtgccttcat cactctgtgt
 601  tttggggcat tctttttcct tccagactct tcaaaacaca aacgctttga tttgggttta gaagatgtgt taattccaca tgtagatgcc ggtaaagggg
 701  ctaaaaaccc cggagtcttc ctgatccatg gacccgatga acatagacac agggaagagg aagaacgtct gagaaataaa attcgagctg atcatgagaa
 801  ggccttggaa gaagcaaaag aaaaattaag aaagtcaaga gaggaaattc gagcagaaat tcagacagag aaaaataagg tagtccaaga aatgaagata
 901  aaagagaaca agccactgcc accagtccct attcccaacc ttgtaggaat acgtggtgga gacccagaag ataatgacat aagagagaaa agggaaaaaa
1001  ttaaagagat gatgaaacat gcttgggata actataggac atatgggtgg ggacataatg aactcagacc tattgcaagg aaaggacact cccctaacat
1101  atttggaagt tcacaaatgg gtgctaccat agtagatgct ttggataccc tttatatcat gggacttcat gatgaattcc tagatgggca aagatggatt
1201  gaagacaacc ttgatttcag tgtgaattca gaggtgtctg tgtttgaagt caacattcga tttattggag gcctacttgc agcatattac ctatcaggag
1301  aggagatatt caagattaaa gcagtgcaat tggctgagaa actccttcct gcctttaaca cacctactgg gattccttgg gcaatggtga atttgaaaag
1401  tggagtaggg cgaaactggg gctgggcatc tgcaggtagc agcattctgg ctgaatttgg tacactacat atggagttca tccacctcag ctacttgaca
1501  ggggacctga cttactacaa aaaggttatg cacattcgga aactacttca gaaaatggat cgtccaaatg gtctttatcc aaattatttg aaccccagaa
1601  cagggcgctg gggtcagtat catacatctg tcggtggcct gggagacagt ttttatgaat acttactgaa agcatggttg atgtcagata aaacagacca
1701  tgaggcaaga aagatgtatg atgatgctat tgaggctata gaaaaacatc ttattaagaa gtctcgtgga ggtcttacct ttattggaga atggaagaat
1801  gggcacttgg aaaaaaagat ggggcatttg gcctgctttg ctgggggaat gtttgcacta ggagcagatg gttccagagc agataaagct ggtcattatt
1901  tagagctagg ggcagaaatt gcacgtactt gtcatgagtc atatgacaga actgcattaa agctaggtcc tgaatcattc aagtttgatg gtgcagtgga
2001  ggctgtggct gtccggcagg ctgaaaagta ttatatcctc cgtccagaag taattgaaac ctattggtac ctatggcgat tcactcacga tccaagatac
2101  aggcagtggg gctgggaagc agcactggcc attgaaaagt attgccgagt taatggtggg ttttctggag tcaaagatgt atattcctct actcctacac
2201  atgatgatgt acagcagagc ttttttcttg ctgaaacatt aaaatatttg tatctgctgt tctccggtga tgaccttta cctttagacc actgggtgtt
2301  taatacagag gctcaccctc tgcctgtgtt acatttagcc aacaccacac tttcaggtaa tcctgctgtt cgataaaggc gcgccagtat actctagagt
2401  cgacacccgg ggaattcctc gagcgctcgt ctctagcttg gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt atccgctcac aattccacac
2501  aacatacgag ccggaagcat aaagtgtaaa gcctggggtg cctaatgagt gagctaactc acattaattg cgttgcgctc actgcccgct ttccagtcgg
2601  gaaacctgtc gtgccagctg cattaatgaa tcggccaacg cgcggggaga ggcggtttgc gtattgggcg ctcttccgct tcctcgctca ctgactcgct
2701  gcgctcggtc gttcggctgc ggcgagcggt atcagctcac tcaaaggcgg taatacggtt atccacagaa tcaggggata acgcaggaaa gaacatgtga
2801  gcaaaaggcc agcaaaaggc caggaaccgt aaaaaggccg cgttgctggc gtttttccat aggctccgcc cccctgacga gcatcacaaa aatcgacgct
2901  caagtcagag gtggcgaaac ccgacaggac tataaagata ccaggcgttt ccccctggaa gctccctcgt gcgctctcct gttccgaccc tgccgcttac
3001  cggatacctg tccgcctttc tcccttcggg aagcgtggcg ctttctcaat gctcacgctg taggtatctc agttcggtgt aggtcgttcg ctccaagctg
3101  ggctgtgtgc acgaaccccc cgttcagccc gaccgctgcg ccttatccgg taactatcgt cttgagtcca acccggtaag acacgactta tcgccactgg
3201  cagcagccac tggtaacagg attagcagag cgaggtatgt aggcggtgct acagagttct tgaagtggtg gcctaactac ggctacacta gaaggacagt
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3401  gtttgcaagc agcagattac gcgcagaaaa aaaggatctc aagaagatcc tttgatcttt tctacggggt ctgacgctca gtggaacgaa aactcacgtt
3501  aagggatttt ggtcatgaga ttatcaaaaa ggatcttcac ctagatcctt ttaaattaaa aatgaagttt taaatcaatc taaagtatat atgagtaaac
3601  ttggtctgac agttaccaat gcttaatcag tgaggcacct atctcagcga tctgtctatt tcgttcatcc atagttgcct gactccccgt cgtgtagata
3701  actacgatac gggagggctt accatctggc cccagtgctg caatgatacc gcgagaccca cgctcaccgg ctccagattt atcagcaata aaccagccag
3801  ccggaagggc cgagcgcaga agtggtcctg caactttatc cgcctccatc cagtctatta attgttgccg ggaagctaga gtaagtagtt cgccagttaa
3901  tagtttgcgc aacgttgttg ccattgctac aggcatcgtg gtgtcacgct cgtcgtttgg tatggcttca ttcagctccg gttcccaacg atcaaggcga
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4101  tggcagcact gcataattct cttactgtca tgccatccgt aagatgcttt tctgtgactg gtgagtactc aaccaagtca ttctgagaat agtgtatgcg
4201  gcgaccgagt tgctcttgcc cggcgtcaat acgggataat accgcgccac atagcagaac tttaaaagtg ctcatcattg gaaaacgttc ttcggggcga
4301  aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaacccac tcgtgcaccc aactgatctt cagcatcttt tactttcacc agcgtttctg
4401  ggtgagcaaa aacaggaagg caaaatgccg caaaaaaggg aataagggcg acacggaaat gttgaatact catactcttc ctttttcaat attattgaag
4501  catttatcag ggttattgtc tcatgagcgg atacatattt gaatgtattt agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca
4601  cctgacgtct aagaaaccat tattatcatg acattaacct ataaaaatag gcgtatcacg aggccctttc gtc
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> RDC3060 Translated Insert Sequence

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101  reeeerlrnk iradhekale eakeklrksr eeiraeiqte knkvvqemki kenkplppvp ipnlvgirgg dpedndirek rekikemmkh awdnyrtygw
201  ghnelrpiar kghspnifgs sqmgativda ldtlyimglh defldgqrwi ednldfsvns evsvfevnir figgllaayy lsgeeifkik avqlaekllp
301  afntptgipw amvnlksgvg rnwgwasags silaefgtlh mefihlsylt gdltyykkvm hirkllqkmd rpnglypnyl nprtgrwgqy htsvgglgds
401  fyeyllkawl msdktdhear kmyddaieai ekhlikksrg gltfigewkn ghlekkmghl acfaggmfal gadgsradka ghylelgaei artchesydr
501  talklgpesf kfdgaveava vrqaekyyil rpevietywy lwrfthdpry rqwgweaala iekycrvngg fsgvkdvyss tpthddvqqs fflaetlkyl
601  yllfsgddll pldhwvfnte ahplpvlhla nttlsgnpav r
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