

Product datasheet for SC123675

ALG11 (BC010857) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: ALG11 (BC010857) Human Untagged Clone

Tag: Tag Free

Symbol: ALG11

Synonyms: asparagine-linked glycosylation 11 homolog (S. cerevisiae, alpha-1,2-mannosyltransferase); asparagine-linked glycosylation 11 homolog (yeast, alpha-1,2-mann; GT8; KIAA0266; OTTHUMP00000018446; UTP14, U3 small nucleolar ribonucleoprotein, homolog C; UTP14C

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Cell Selection: None

Fully Sequenced ORF: >OriGene sequence for BC010857 edited
 CCCACGCGTCCGGTTTGTGTTTTTAAAGGAAACGCTATCTTGTGGAAGATTCACGTATCC
 TCACTTCACACTGCTGGCCAAAGTCTAGGATCCATTTTTCTTGGCTGGGAAGCTCTAAT
 GCAGTGTGTTCCCTGATGTTTACATTGATTCAATGGGATACGCTTTTACGCTTCCTCTGTT
 TAAGTATATAGGGGTTGCCAAGTTGGAAGCTATGTTTCATTATCCTACTATCAGCACCGA
 CATGCTCTCTGTAGTGAAGAATCAAATATTGGATTTAATAATGCAGCCTTCATTACCAG
 GAATCCTTTTCTCAGCAAAGTAAAGCTCATCTACTACTATTTATTTGCTTTTATTATG
 ACTTGTGGTTCTTGCAAGTGTAGTCATGGTCAATTCTTCTGGACACTAAACCATAT
 TCTCTCACTATGGAAAGTTGGGAATTGCACTAACATTGTTTATCCACCTTGATGTGCA
 GACATTTCTGGACATTCCCTTACATGAGAAAAAGATGACCCAGGACATTTGCTGGTTTC
 TGTTGGCCAGTTTAGGCCGAAAAGAATCATCCATTGCAGATCAGAGCCTTTGCTAAATT
 GCTGAATAAGAAGATGGTTGAGTCACCTCCTTCGCTTAAACTTGCCTCATTGGAGTTG
 TCGTAACAAAGATGATGAACTTAGGGTAAACCAACTGAGAAGGCTGTCTGAGGATTTAGG
 AGTTCAAGAATATGTGGAATTTAAAATAAACATTCCATTTGATGAATTAAGAATATTT
 GTCTGAAGCAACAATTGGTCTGCATACCATGTGGAACGAGCATTTTGGGATTGGAGTTGT
 GGAGTGTATGGCAGCTGGCACAATTATCCTTGCACACAATTCGGGGGGCCAAAGCTTGA
 CATTGTGGTTCCCTCACGAAGGAGATATAACTGGCTTTCTGGCTGAGAGTGAAGAAGACTA
 TGCTGAAACTATCGCTCACATCTTTCCATGTCTGCAGAAAAGAGACTCCAAATCAGAAA
 AAGTGCCTCGTGCATCTGTAAGCAGATTCTGTATCAGGAATTTGAAGTGCATTCCTATC
 ATCTGTGAAAAAGTTATTTAAGTAATGCCATATCTGAAAAATTAAGATATTTTATATAA
 ACTGGTTAAACACCTTCATATGTAATATTTTTCTAAATTCATCTCATTGTCAAATCA
 TTTTACTTTAGAAAAACAGACAAAATTTCTTTTGAATAAAAAGGAAGTGTGAAAAAGAAA
 AA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for BC010857 unedited NNNGGTTGGGAGNNGNAAACGACTTATATAGGCGGGCCGCGATTCCCAGGATATCGTCGA CCCACGCGTCCGCCACGCGTCCGGTTGTTTTTAAAGGAAACGCTATCTTGTGGAAGA TTCCTGTATCCTCACTTCACTGCTGGGCCAAAGTCTAGGATCCATTTTTCTTGGCTG GGAAGCTCTAATGCAGTGTTCCTGATGTTTACATTGATTCAATGGGATACGCTTTTAC GCTTCCTCTGTTAAGTATATAGGGGTTGCCAAGTTGGAAGCTATGTTTATTATCTAC TATCAGCACCCGACATGCTCTGTAGTGAAGAATCAAAATATTGGATTTAATAATGCAGC CTTCAATTACCAGGAATCCTTTTCTCAGCAAAGTAAAGCTCATCTACTACTATTTATTGTC TTTTATTTATGGACTTGTGGTTCTTGCAGTGATGATGATGATGGTCAATTCTTCTGGAC ACTAAACCATATTCTCTCACTATGGAAAGTTGGGAATTGCACTAACATTGTTTATCCACC TTGTGATGTGCAGACATTTCTGGACATTCCTTACATGAGAAAAAGATGACCCAGGACA TTTGCTGGTTTCTGTTGGCCAGTTAGGCCGGANAAGAATCATCCATTGCAGATCAGAGC CTTTGCTAAATTGCTGAATAAGAAGATGGTTGAGTCACCTCCTTCGTTAACTTGTCTCT CATTGGAGTTGTCGTACCAAGATGATGAACCTANGGTAACCACTGAGAAGGCTGTCT GANGATTTANGAGTTCAAGATATGTGGAATTTAAATAACATTCATTTGATGATTAAGA ATATNTGTCTGAAGCAACATTGGTCTGCATACCATGTGGAACGAGCATTTTGATT
Restriction Sites:	Please inquire
ACCN:	BC010857
Insert Size:	1316 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:	<u>BC010857.1</u> , <u>AAH10857.1</u>
RefSeq Size:	1316 bp
Locus ID:	440138
Cytogenetics:	13q14.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis

Gene Summary:

This gene encodes a GDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase which is localized to the cytosolic side of the endoplasmic reticulum (ER) and catalyzes the transfer of the fourth and fifth mannose residue from GDP-mannose (GDP-Man) to Man3GlcNAc2-PP-dolichol and Man4GlcNAc2-PP-dolichol resulting in the production of Man5GlcNAc2-PP-dolichol. Mutations in this gene are associated with congenital disorder of glycosylation type 1p (CDG1P). This gene overlaps but is distinct from the UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast) gene. A pseudogene of the GDP-Man:Man3GlcNAc2-PP-dolichol-alpha1,2-mannosyltransferase has been identified on chromosome 19. [provided by RefSeq, Aug 2010]