

Product datasheet for **RC218890**

ALG11 (NM_001004127) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALG11 (NM_001004127) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALG11
Synonyms:	CDG1P; GT8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218890 representing NM_001004127
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGCCGCGAAAGGAGCTGGTGCCTGTGCAAGTTGTTGAGGTTTTTTTATTATTCTTCCCTG
 GGCTCATTGTATGTGGAACCTTATGTGTGTTGGTTCATTGTCCTTTGGGGAATCAGACTGCTGCTACA
 GAGAAAGAAAAAATTAGTGTCAACTAGCAGAAATGGGAAAAATCAAATGGTGATTGCATTTTTTCATCCA
 TACTGCAATGCTGGTGGAGGAGGAGAAAGATTTTATGGTGTGCTTAAAGAGCCCTGCAGAAAAAGTATC
 CTGAAGCAGTTTATGTTGTTTATACCGCGATGTTAATGTCAACGGTCAACAGATACTAGAAGGTGCTTT
 CAGAAGATTTAACATCAGATTAATCACCCAGTGCAGTTGTTTTTTAAGGAAACGCTATCTTGTGGAA
 GATTCAGTGTATCCTCACTTCACTGCTGGGCCAAAGTCTAGGATCCATTTTTCTTGGCTGGGAAGCTC
 TAATGCAGTGTTCCTGATGTTACATTGATTCAATGGGATACGCTTTTACGCTTCTCTGTTAAGTA
 TATAGGGGTTGCCAAGTTGGAAGCTATGTTTATTCTACTATCAGCACCGACATGCTCTCTGTAGTG
 AAGAATCAAATATTGGATTTAATAATGCAGCCTTCATTACCAGGAATCCTTTTCTCAGCAAAGTAAAGC
 TCATCTACTACTATTTATTTGCTTTTATTATGGACTTGTGGTCTTGCAGTGTAGTGCATGGTCAA
 TTCTTCTTGGACTAAACCATATTCTCACTATGGAAGTTGGGAATTGCACTAACATTGTTTATCCA
 CCTTGTGATGTGCAGACATTTCTGGACATTCCTTACATGAGAAAAAGATGACCCAGGACATTTGCTGG
 TTTCTGTTGGCCAGTTTAGGCCGAAAAGAATCATCCATTGCAGATCAGAGCCTTTGCTAAATTGCTGAA
 TAAGAAGATGGTTGAGTCACTCCTTCGCTTAACTTGCCTCATTGGAGTTGTCGTAACAAAGATGAT
 GAACTTAGGGTAAACCAACTGAGAAGGCTGTCTGAGGATTTAGGAGTTCAAGAATATGTGGAATTTAAA
 TAAACATTCCATTTGATGAATTAAGAATTATTTGTCTGAAGCAACAATGGTCTGCATACCATGTGGAA
 CGAGCATTTTGGGATTGGAGTTGTGGAGTGTATGGCAGCTGGCACAATTATCCTTGCACACAATCGGGG
 GGCCCAAAGCTTGACATTGTGATTCCTCACGAAGGAGATAAAGTGGCTTCTGGCTGAGAGTGAAGAAG
 ACTATGCTGAAACTATCGCTCACATTCTTCCATGTCTGCAGAAAAGAGACTCCAATCAGAAAAAGTGC
 TCGTGCATCTGTAAGCAGATTCTCTGATCAGGAATTTGAAGTGACATTCTATCATCTGTGGAAAAGTTA
 TTTAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218890 representing NM_001004127
 Red=Cloning site Green=Tags(s)

MAAGERSWCLCKLLRFFYSLFFPGLIVCGTLCVCLVIVLWGIKLLQRKKLVSTSRNGKNQMVIAFFHP
 YCNAGGGGERVLWCALRALQKYPEAVYVYVYTDVNVNGQQILEGAFRRFNIRL IHPVQVFVLRKRYLVE
 DSLYPHFLLGQSLGSIFLGWEALMQCPDVYIDSMGYAFTLPLFKYIGGCQVGSYVHYPTISTDMLSVV
 KNQNIQFNNAAFITRNPFLSKVKLIYYLFAFIYGLVGSQSDVMVNSSWTLNHILSLWKVGNCTNIVYP
 PCDVQTFLDIPLHEKMTDPHLLVSVGQFRPEKNHPLQIRAFKLLNKKMVESSPPLKLVLIIGCRNKDD
 ELRVNQLRRLSEDLGVQEYVEFKINIPFDELKNYLSEATIGLHTMWNEHFGIGVVECMAGTIILAHNSG
 GPKLDIVIPHEGDITGFLAESEEDYAETIAHILSMSAEKRLQIRKSARASVSRFSDQEFVTFLLSSVEKL
 FK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8001_g12.zip

Restriction Sites:

Sgfl-Mlul

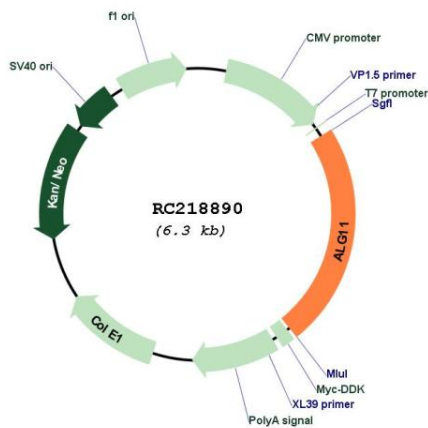
Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

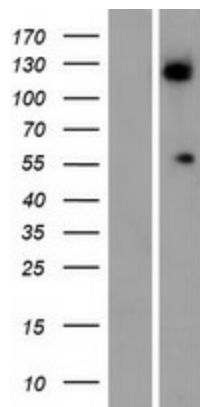
MW: 55.5 kDa

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]

Product images:



Circular map for RC218890



Western blot validation of overexpression lysate (Cat# [LY424067]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC218890 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).