

Product datasheet for **SC300606**

ALG11 (NM_001004127) Human Untagged Clone

Product data:

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



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Fully Sequenced ORF: >SC300606 representing NM_001004127.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

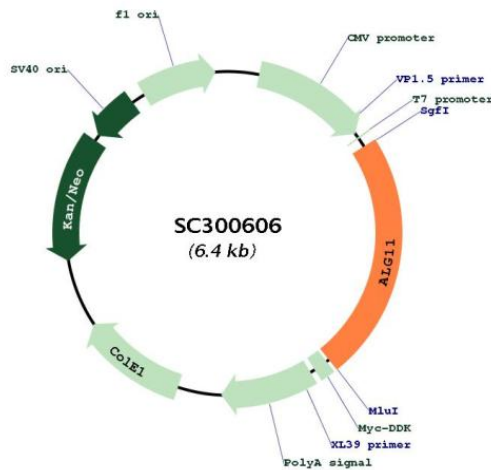
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_001004127

Insert Size:	1479 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_001004127.2
RefSeq Size:	2595 bp
RefSeq ORF:	1479 bp
Locus ID:	440138
UniProt ID:	Q2TAA5
Cytogenetics:	13q14.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
MW:	55.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (A) represents the longer transcript and encodes the functional protein.</p>