

Product datasheet for **SC321071**

ALG5 (NM_013338) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALG5 (NM_013338) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALG5
Synonyms:	bA421P11.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_013338.3
 GGGGGCCACGGCATGGAGAATGGCTCCGCTTCTGTTGCAGCTGGCGGTGCTCGGCGCGGG
 GCTGGCGCGCCGACGCCCTCGTACTGATTTCCATCGTTGCATTTACAACCTGCTACAAAAAT
 GCCAGCACTCCATCGACATGAAGAAGAGAAATTCTTCTTAAATGCCAAAGGCCAGAAAAGA
 AACTTTACCCAGCATATGGGACTCACCTACCAAACAACCTTCTGTGCTTGTGCCTTCATA
 CAATGAAGAAAAACGGTTGCCTGTGATGATGGATGAAGCTCTGAGCTATCTAGAGAAGAG
 ACAGAAACGAGATCCTGCGTTCACCTTATGAAGTGATAGTAGTTGATGATGGCAGTAAAGA
 TCAGACCTCAAAGGTAGCTTTTAAATATTGCCAGAAATATGGAAGTGACAAAGTACGTGT
 GATAACCCTGGTGAAGAATCGTGGAAAAGGTGGAGCGATTAGAATGGGTATATTCAGTTC
 TCGAGGAGAAAAGATCCTTATGGCAGATGCTGATGGAGCCACAAAGTTTCCAGATGTTGA
 GAAATTAGAAAAGGGCTAAATGATCTACAGCCTTGGCCTAATCAAATGGCTATAGCATG
 TGGATCTCGAGCTCATTTAGAAAAAGAATCAATTGCTCAGCGTTCCTACTTCCGTAATCT
 TCTCATGTATGGGTTCCACTTTCTGGTGTGGTTCCTTTGTGTCAAAGGAATCAGGGACAC
 ACAGTGTGGGTTCAAATATTTACTCGAGAAGCAGCTTCCAGGACGTTTTTCATCTCTACA
 CGTTGAACGATGGGCATTTGATGTAGAATACTGTACATAGCACAGTTCTTTAAATTC
 AATAGCAGAAATTGCTGTCAACTGGACAGAAATGAAGTTCTAAATTAGTTCCATTCTG
 GAGCTGGCTACAAATGGGTAAAGACCTACTTTTTATACGACTTCGATATTTGACTGGTGC
 CTGGAGGCTTGAGCAAACTCGGAAAATGAATTAGGTTGTTTGCAGTCTTCAGTTGTGTT
 TTATGCTTCAGTGTACATTTTCATTTGAACTAAAATTTAAGTAAAGCTGAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_013338



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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_013338.3 , NP_037470.1
RefSeq Size:	1145 bp
RefSeq ORF:	975 bp
Locus ID:	29880
UniProt ID:	Q9Y673
Cytogenetics:	13q13.3
Domains:	Glycos_transf_2
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
Gene Summary:	<p>This gene encodes a member of the glycosyltransferase 2 family. The encoded protein participates in glucosylation of the oligomannose core in N-linked glycosylation of proteins. The addition of glucose residues to the oligomannose core is necessary to ensure substrate recognition, and therefore, effectual transfer of the oligomannose core to the nascent glycoproteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>