

Product datasheet for **SC315559**

ALG9 (NM_001077691) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALG9 (NM_001077691) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALG9
Synonyms:	CDG1L; DIBD1; GIKANIS; LOH11CR1J
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001077691, the custom clone sequence may differ by one or more nucleotides ATGATGCTAGCCTTCTTGTTCTCAGCACTGGCATGTTTTGCTCATCATCAGATTCCCTT CCTAGTAGCTTCTGTATGTACACTACGTTGATAGCCATGACTGGATGGTATATGGACAAG ACTTCCATTGCTGTGCTGGGAGTAGCAGCTGGGGCTATCTTAGGCTGGCCATTCACTGCA GCTCTTGGTTTACCCATTGCCTTTGATTTGCTGGTCATGAAACACAGGTGGAAGAGTTTC TTTCATTGGTCGCTGATGGCCCTCATACTATTTCTGGTGCCTGTGGTGGTCATTGACAGC TACTATTATGGGAAGTTGGTATTGCACCACTCAACATTGTTTTGTATAATGTCTTTACT CCTCATGGACCTGATCTTTATGGTACAGAACCCTGGTATTTCTATTTAATTAATGGATTT CTGAATTTCAATGTAGCCTTTGCTTTGGCTCTCCTAGTCTACCACTGACTTCTCTTATG GAATACCTGCTGCAGAGATTTTCATGTTCCAGAATTTAGGCCACCCGTATTGGCTTACCTTG GCTCCAATGTATATTTGGTTTATAATTTTCTTCATCCAGCCTCACAAAGAGGAGAGATTT CTTTTCCCTGTGTATCCACTTATATGTCTCTGTGGCGCTGTGGCTCTCTCTGCACCTCAG CACAGTTTTCTGTACTCCAGAAATGTTACCACTTTGTGTTTCAACGATATCGCCTGGAG CACTATACTGTGACATCGAATTTGGCTGGCATTAGGAAGTCTTCTGTTTGGGCTCTTG TCATTTTCTCGCTCTGTGGCACTGTTCCAGAGGATATCACGGGCCCTTGATTTGTATCCA GAATTTTACCGAATTGCTACAGACCAACCATCCACACTGTCCAGAAGGCAGACCTGTG AATGTCTGTGTGGAAAAGAGTGGTATCGATTTCCAGCAGCTTCTTCTCCTGACAAT TGGCAGCTTCAGTTCATTCCATCAGAGTTCAGAGGTCAGTTACCAAAACCTTTTGCAGAA GGACCTCTGGCCACCCGATTGTTCTACTGACATGAATGACCAGAATCTAGAAGAGCCA TCCAGATATATTGATATCAGTAAATGCCATTATTTAGTGGATTTGGACCCATGAGAGAA ACACCCCGGGAGCCAAAATATTCATCCAATAAAGAAGAATGGATCAGCTTGGCCTATAGA CCATTCTTGATGCTTCTAGATCTTCAAAGCTGCTGCGGGCATTCTATGTCCCCTTCTG TCAGATCAGTATACAGTGTACGTAAACTACACCATCCTCAAACCCGGAAAGCAAAGCAA ATCAGGAAGAAAAGTGGAGGT
Restriction Sites:	Please inquire
ACCN:	NM_001077691



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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:	<u>NM_001077691.1</u> , <u>NP_001071159.1</u>
RefSeq Size:	6435 bp
RefSeq ORF:	1344 bp
Locus ID:	79796
UniProt ID:	<u>Q9H6U8</u>
Cytogenetics:	11q23.1
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
Gene Summary:	<p>This gene encodes an alpha-1,2-mannosyltransferase enzyme that functions in lipid-linked oligosaccharide assembly. Mutations in this gene result in congenital disorder of glycosylation type II. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (c) has a shorter N-terminus compared to isoform a. Variants 3, 9, and 10 all encode the same isoform (c).</p>