

Product datasheet for **SC123199**

ALG14 (NM_144988) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALG14 (NM_144988) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALG14
Synonyms:	CMS15; IDDEBF; MEPCA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_144988 edited GAAGTTGGACGCATGCGCCGTTTCTGTCATGGTGTGCGTTCTCGTTCTAGCTGCGGCCG CAGGAGCTGTGGCGGTTTTCTAATCCTGCGAATATGGGTAGTGCCTTCGTTCCATGGACG TTACGCCCGGGAGTCTCTCAGTATCTTGGTAGTGGCTGGGTCCGGTGGGCATACCACTG AGATCCTGAGGCTGCTTGGGAGCTTGCCAATGCCTACTCACCTAGACATTATGTCATTG CTGACACTGATGAAATGAGTGCCAATAAAATAAATTCTTTTGAAGTAGATCGAGCTGATA GAGACCCTAGTAACATGTATACCAATACTACATTACCGAATCCAAGAAGCCGGGAGG TTCAGCAGTCCTGGCCCTCCACCGTTTTACCACCTTGCACTCCATGTGGCTCTCCTTTT CCCTAATTCACAGGGTGAAGCCAGATTTGGTGTGTGTAACGGACCAGGAACATGTGTTT CTATCTGTGTATCTGCCCTTCTCCTTGGGATACTAGGAATAAAGAAAGTGATCATTGTCT ACGTTGAAAGCATCTGCCGTGTAGAAACGTTATCCATGTCCGGAAGATTCTGTTTCATC TCTCAGATTACTTCAATTGTTTCAAGTGGCCGCTCTGAAAGAAAAGTATCCCAAATCGGTGT ACCTTGGGCGAATTGTTTGACAAATGGCAACTGACTTCTTTAGAAATTTGCAAGTTAACAG TAGTATGTAAGCAATTTGGGGGAAAAAACCTACATGTTTCTGTAAAGGCGTCTGAC AGTCTGAGAATTATTGATGGTAAGGAATAAAAAATGTACAGATGACTCAGTGAAGAAAC TGAGGCTTCTTATGAAACAAACATTGATAAACGTAACACTAAATGTTTATGCCTCTG TAAACCAATTTCTTTTCTAGATAAAAAATGTATTACTACCTGCAAATTTCTTCTGGC TGTTTTAGTAGTATTTTTTTTACAGAACTAAATATAGAGTTTGTATGATTAGTAAAAAAA AAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_144988 unedited NNGGTACCGTCAGATTTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGGA AGTTGGACGCATGCGCCGTTTCTCTGCATGGTGTGCGTTCTCGTTCTAGCTGCGGCCGCA GGAGCTGTGGCGGTTTTCTAATCCTGCGAATATGGGTAGTGCTTCGTTCCATGGACGTT ACGCCCCGGGAGTCTCTCAGTATCTTGGTAGTGGCTGGGTCCGGTGGGCATACCACTGAG ATCCTGAGGCTGCTTGGGAGCTTGTCCAATGCCTACTCACCTAGACATTATGTCATTGCT GACACTGATGAAATGAGTGCCAATAAAATAAATTCTTTTGAAGTACTGAGCTGATAGA GACCCTAGTAACATGTATACCAAATACTACATTACCGAATTCCAAGAAGCCGGGAGGTT CAGCAGTCTGGCCCTCCACCGTTTTCCACACCTTGCACTCCATGTGGCTCTCCTTTCC CTAATTCACAGGGTGAAGCCAGATTTGGTGTGTGTAACGGACCAGGAACATGTGTTCT ATCTGTGTATCTGCCCTTCTCCTTGGGATACTAGGAATAAAGAAAGTGATCATTGTCTAC GTTGAAAGCATCTGCCGTGTAGAAACGTTATCCATGTCCGAAAGATTCTGTTTCATCTC TCAGATTACTTCATTGTTTCAGTGGCCGGCTCTGAAAGAAAAGTATCCCAAATCGGTGAC CTTGGCGAATTGTTTGACAAATGGCAACTGACTTCTTTAGATTTTGCAGTTAACAGTAG TATGTAATAAAATGGGGGGAAAAAACCTACATGTTTCTTGTAAGGCGTCTGACAGTC CTGAGAATTATTGANTGGTAGGGAATAAAATGTACAGATGACTCAGTGAAGAAGTACAG GC
Restriction Sites:	Please inquire
ACCN:	NM_144988
Insert Size:	1041 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:	NM_144988.2 , NP_659425.1
RefSeq Size:	1032 bp
RefSeq ORF:	651 bp
Locus ID:	199857
UniProt ID:	Q96F25
Cytogenetics:	1p21.3
Protein Families:	Transmembrane
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis

Gene Summary:

This gene is a member of the glycosyltransferase 1 family. The encoded protein and ALG13 are thought to be subunits of UDP-GlcNAc transferase, which catalyzes the first two committed steps in endoplasmic reticulum N-linked glycosylation. Mutations in this gene have been linked to congenital myasthenic syndrome (CMSWTA). Alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2015]
Transcript Variant: This variant (1) encodes the longer isoform (1).