

Product datasheet for SC301990

ALG1L (NM_001015050) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALG1L (NM_001015050) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALG1L
Synonyms:	ALG1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301990 representing NM_001015050. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAGCGGTGGCCTTCATGGAGCTGGATGCTGGGAGCAGGCTGGTGATGCATCTCCGCGAGTGCCCA
 GCCCTGCTGGTCAGCAGCACGGGCTGGACAGAGTTGAACAACCTACTCTTGATGGACACAACCTTCCT
 TCTCTGTCTGTGTGATAACAGGGTCGGTGGACCTGGGTGTCTGTCTGCACATGCTCTCCAGTGGCCTG
 GACCTGCCCATGAAGGTGGTGGACATGTTCCGGTGTCTTTGCCTGTGTGTGCCGTGAACCTCAAGTGT
 TTACATGAGCTGGTGAACATGAAGAAATGGCCTGGTCTTTGAGGACTCAGAGGAACCTGGCAGCTCTG
 CAGATGCTTTTCTCAAACTTTCTGATCCTGCAGGCAAGCTAAACCAGTTTGGGAAGACCTGCGGGAG
 TCGCAGCAGCTCCGATGGGATGAGAGCTGGGTGCAGACTGTCTCCCTTTGGTTATGGACATACAACTC
 CTGGGCCAGAGGCTAAACCCCGGGACCCCTGCTGTCCTTCCCGCAGCTTCTTCTCGGAGTCTCAGGGC
 AAACCCTTTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001015050
Insert Size:	564 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).


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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:	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_001015050.2</u>
RefSeq Size:	833 bp
RefSeq ORF:	564 bp
Locus ID:	200810
UniProt ID:	<u>Q6GMV1</u>
Cytogenetics:	3q21.2
MW:	21.1 kDa
Gene Summary:	Putative glycosyltransferase.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) lacks an alternate exon in the 5' coding region and uses a downstream start codon, compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus, compared to isoform 1.