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Product datasheet for RC235424

GLT28D1 (ALG13) (NM_001257235) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLT28D1 (ALG13) (NM_001257235) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALG13
Synonyms:	CDG1S; CXorf45; DEE36; EIEE36; GLT28D1; MDS031; TDRD13; YGL047W
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC235424 representing NM_001257235 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAACAATCATCAGCTGGAACTGGCAAAGCAGCTACACAAAGAGGGTCATCTCTTCTATTGTACCTGCA GCACGCTTCCTGGGCTGTTACAGTCAATGGACTTATCAACACTGAAATGTTATCCTCCTGGCCAGCCAGA AAAATTTTCTGCATTTTTGGATAAAGTTGTTGGATTACAAAAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC235424 representing NM_001257235 Red=Cloning site Green=Tags(s) MNNHQLELAKQLHKEGHLFYCTCSTLPGLLQSMDLSTLKCYPPGQPEKFSAFLDKVVGLQK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI

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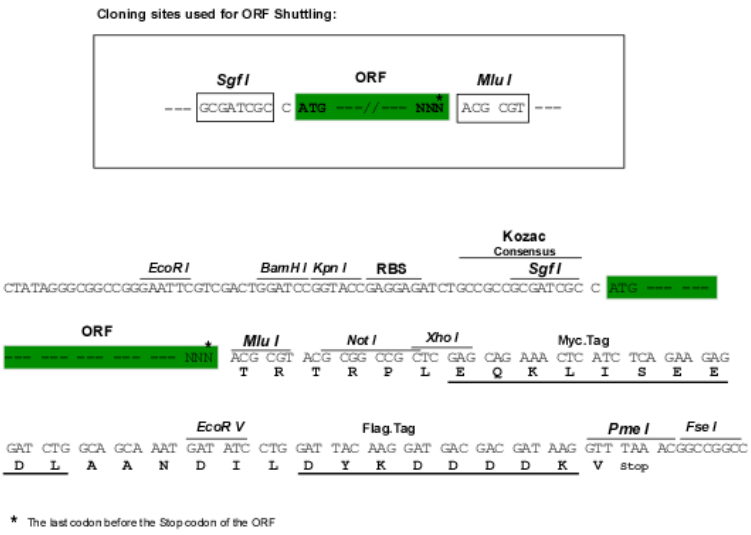
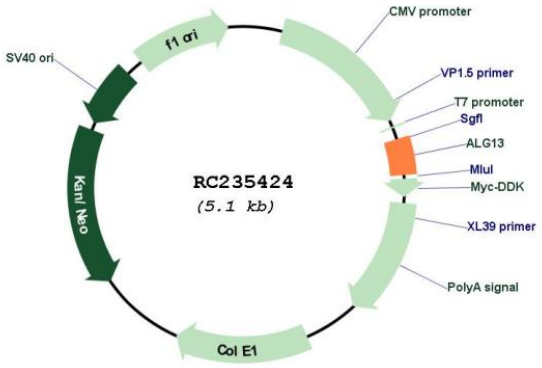
Cloning Scheme:



Plasmid Map:



ACCN: NM_001257235

ORF Size: 183 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001257235.3
RefSeq Size:	2962 bp
RefSeq ORF:	186 bp
Locus ID:	79868
Cytogenetics:	Xq23
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
MW:	7.3 kDa
Gene Summary:	The protein encoded by this gene is a subunit of a bipartite UDP-N-acetylglucosamine transferase. It heterodimerizes with asparagine-linked glycosylation 14 homolog to form a functional UDP-GlcNAc glycosyltransferase that catalyzes the second sugar addition of the highly conserved oligosaccharide precursor in endoplasmic reticulum N-linked glycosylation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]