

Product datasheet for **RC215034**

GLT28D1 (ALG13) (NM_001099922) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLT28D1 (ALG13) (NM_001099922) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GLT28D1
Synonyms:	CDG1S; CXorf45; DEE36; EIEE36; GLT28D1; MDS031; TDRD13; YGL047W
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215034 representing NM_001099922 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGAAGTGC GTTTGTTACCGTAGGGACCACCAGCTTTGACGACCTCATTGCGTGTGTGTCGGCGCCCG
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AGACAGTACTATTTGGGAGACAAGTGTCAGGTTTGCTTGAATCAGAAGGAAGATATTATAATGCTCATA
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Protein Sequence: >RC215034 representing NM_001099922
 Red=Cloning site Green=Tags(s)

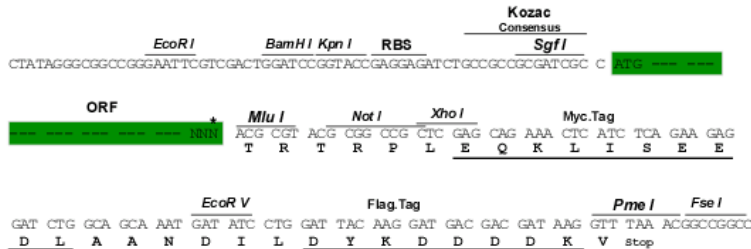
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 WGACYNAEIPEGYNKGTEETKSPENPSKMPFPYKVLKALDPEIYRNVEFDVWLD SRKELQKSDYMEYAG
 RQYYLGDKCQVCLSEGRYYNAHQEVGNENNSVTVFIEELA EKHVVPLANLKPVTQVMSVPAWNAMP SR
 KGRGYQKMPGGYVPEIVISEMDIKQKKMFKKIRGKEVYMTMAYGKGDPLLPRLQHSMHYGHDPMPMHYS
 QTAGNVM SNEHFHPQHPSPRQGRGYGMPRNSRF INRHNMGPVKVDFYPGPKRCCQSYDNFSYRSRFR
 RSHRQMSCVNKESQYGF TPGNGQMPRGL EETITFYEVEEGDETA YPTLPNHGGPSTMVPATSGYCVGRRG
 HSSGKQTLNLEENGQSENGRYHEEYL YRAEPDYETSGVYSTTASTANLSLQDRKSCSMSPQDVTVSYNY
 PQKMMGNIAA VAASCANNVPAPVLSNGAAANQAI STTSVSSQNAIQPLFVSPPTHGRPVIASPSYPCHSA
 IPHAGASLPPPPPPPPPPPPPPPPPPPPPPPPALDVGETSNLQPPPPPLPPPPYSCDPSGSDLPQDTK
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 TFPNADSSSVPHGAVYYPVMSDPYGPPLPGFDSCLPVVPDYSCVPPWHPVGTAYGSSQIHGA INPGPI
 GCIAPSPASHYVPQGM

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Restriction Sites:
 Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:



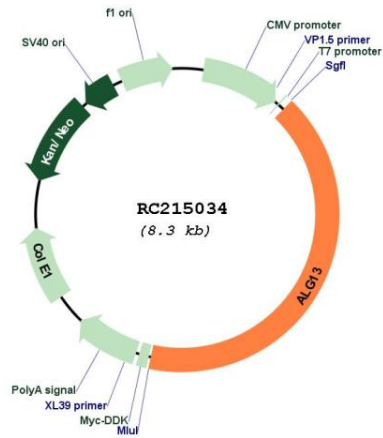
* The last codon before the Stop codon of the ORF

ACCN: NM_001099922

ORF Size: 3411 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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_001099922.3
RefSeq Size:	4179 bp
RefSeq ORF:	3414 bp
Locus ID:	79868
UniProt ID:	Q9NP73
Cytogenetics:	Xq23
Protein Pathways:	Metabolic pathways, N-Glycan biosynthesis
MW:	126.1 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for RC215034