

## Product datasheet for **SC328205**

### GLT28D1 (ALG13) (NM\_001168385) Human Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | GLT28D1 (ALG13) (NM_001168385) Human Untagged Clone   |
| Tag:                      | Tag Free  |
| Symbol:                   | GLT28D1   |
| Synonyms:                 | CDG1S; CXorf45; DEE36; EIEE36; GLT28D1; MDS031; TDRD13; YGL047W   |
| Mammalian Cell Selection: | None  |
| Vector:                   | <u>pCMV6-XL5</u>  |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| Fully Sequenced ORF:      | <p>&gt;NCBI ORF sequence for NM_001168385, the custom clone sequence may differ by one or more nucleotides</p> <p>ATGAAGTGC GTGTTGTTACCGTAGGGACCACCAGCTTTGACGACCTCATTGCGTGTGTG<br/>         TCGGCGCCGACAGTCTGCAAAAAATCGAGAGCCTTGGTTACAACCGACTTATCCTGCAA<br/>         ATTGGTAGAGGAACGGTGGTACCTGAACCTTCAGTACTGAGTCGTTTACTCTGGATGTT<br/>         TACAGGTACAAGGATTCCTTGAAAGAAGACATTAGAAAGCAGATCTTGTATTAGTCAC<br/>         GCAGGTGCAGGAAGCTGTTTGGAGACTCTGAAAAAGGAAAGCCACTCGTAGTGGTTATA<br/>         AACGAAAGTTGATGAACAATCATCAGCTGGAAGTGGCAAAGCAGCTACACAAAGAGGGT<br/>         CATCTCTCTATTGTACCTGCAGTTCTTCCTTGAGACACTAG</p> |
| Restriction Sites:        | Please inquire  |
| ACCN:                     | NM_001168385  |
| 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).  |


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**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\\_001168385.1](#), [NP\\_001161857.1](#)

**RefSeq Size:** 3031 bp

**RefSeq ORF:** 402 bp

**Locus ID:** 79868

**UniProt ID:** [Q9NP73](#)

**Cytogenetics:** Xq23

**Protein Pathways:** Metabolic pathways, N-Glycan biosynthesis

**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]

Transcript Variant: This variant (4) differs in the 3' UTR and 3' coding region, compared to variant 1. The resulting isoform (4) has a distinct C-terminus and is shorter than isoform 1.