

Product datasheet for **SC307548**

GLT6D1 (NM_182974) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLT6D1 (NM_182974) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLT6D1
Synonyms:	GLTDC1; GT6M7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307548 representing NM_182974. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAATTCTAAAAGAATGCTGTTATTGGTTTTATTGCTTTTTCACTGATGTTGGTTGAGCGTTATTTT
AGGAATCACCAAGTAGAAGAAGTTCGGCTCTCAGACTGGTTTTATCCTAGAAAACGCCCTGATGTTATA
ACGAAAACAGACTGGCTCGCTCCTGTCTATGGGAAGGGACTTTCGACAGGCGGGTCTGGAAAAACAT
TACAGAAGGCGGAATATCACTGTGGCCTGGCCGCTTTGCTACTGCCAGGTTTGCAGAGGAGTACCTG
AGGCCGTTCTTCAAGCTGCCTGACATAGAGCCAGTCTCTCGAACGTTCAAAGCATTTAAAGTGGGC
ACCGAGAGGTGGTGGCTCGATGGCCCCCTGGTGCATGTGAAGAGCCTGGGTGAACACATCGCCAGTCAC
ATCCAGGACGAGGTGGACTTCTTCCAGCATGGCTGCCAACCAGGCTTCCAGAATGAGTTCGGGGTG
GAGACCTTGGGCCGTTGGTGGCCAGCTCCACGCCTGGTGGTATTTAGAAAACCAAGAAGTTCCTT
TATGAGAGGAGGCCGACCTCAGCAGCTTGCATCCCGTTTGGACAGGGAGATTTCTATTATGGCAACTTG
ATGTTGGTGGCACCACCCATAATTTTAGACTTCATCAAAGAATATCTGAACGGAGTTATTCATGAC
ATCAAAAATGGACTCAATAGCACTTATGAAAAGCACCTTAACAAATATTTTACCTCAATAAACCCACC
TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_182974
Insert Size:	831 bp



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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).
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_182974.2
RefSeq Size:	1526 bp
RefSeq ORF:	831 bp
Locus ID:	360203
UniProt ID:	Q7Z4J2
Cytogenetics:	9q34.3
MW:	32.6 kDa
Gene Summary:	The GT6 glycosyltransferases gene family, which includes the ABO blood group (ABO; MIM 110300) and GLT6D1, shows a complex evolution pattern, with multiple events of gain and loss in different mammal species. In humans, the ABO gene is considered the sole functional member, although the O allele is null and is fixed in certain populations (summary by Casals et al. (2009) [PubMed 19218399]).[supplied by OMIM, Jan 2011]