

Product datasheet for **SC316754**

GXYLT1 (NM_173601) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GXYLT1 (NM_173601) Human Untagged Clone
Tag:	Tag Free
Symbol:	GXYLT1
Synonyms:	GLT8D3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173601, the custom clone sequence may differ by one or more nucleotides <pre> ATGCGGCGCTACCTGCGCGTCGTGGTGCTGTGTGGCCTGCGGCTTCTGCTCGCTCCTT TACGCTTTCAGCCAGCTCGCCGTGTCCCTGGAAGAAGAACGGGCGGCGGTGGCGGGAAG CCGCAGGCCGCGGTGGCTTCTGGCTCGCGGGCGGCGGACGCGGCGCCGTGAGAGCGCC GGCGTCGCGGGCCCCGAGCGCATCCCGGCGGTGTCGGACAGGTGTAAAGATTTCTCTCTG TGTTACTGGAATCCCTATTGGATGCTGCCCTCTGATGTTTGTGAATGAAGTCTTTTGG GAAGCGGCTTTTAGGTACAGTCTGAAAAACAGCCTGTTGAGAAAATGCATCTAGCTGTA GTTGCCTGTGGTGAAGACTGGAAGAACTATGACCATGTTGAAGTCAGCTATCATTTTC AGCATCAAACCTCTTCAATTCCATATTTTTGCTGAAGATCAGCTACATCATAGCTTTAAA GGCAGACTTGACAACTGGTCATTTCTACAAACATTTAATTATACGTTATACCCCATAAAC TTTCCAAGTGAGAATGCAGCAGAGTGGAAGAACTCTTTAAACCATGTGCTTCGCAGAGA TTGTTCTTGCCGTTAATCCTGAAAGAAGTTGACTCACTATTGTATGTCGACACTGATATC CTTTTTTACGACCAGTTGATGATATTTGGTCTTTACTAAAGAAATTTAATTCACACAA ATTGCTGCAATGGCACCAGAACATGAGGAACCTCGAATAGGATGGTATAATCGCTTTGCT AGGCATCCATATTATGGAAGAACTGGAGTAACTCTGGAGTTATGTTGATGAACATGACT CGAATGAGAAGGAAGTATTTCAAGAATGATATGACAACTGTACGACTACAATGGGGAGAT ATACTTATGCCATTGCTTAAAAAATACAACTAAACATCACATGGGGTGATCAAGATCTA TTGAATATCGTGTTTTTTCATAATCCAGAAAGCCTTTTTGTTTTTCCGTGTCAATGGAAT TATCGACCAGATCATTGTATATATGGAAGCAATTGCCAAGAAGCAGAAGAAGGAGGAATC TTTATTCTTCATGGGAACAGAGGTGTTTACCATGACGATAAGCAACCAGCATTTAGAGCT GTTTATGAAGCACTGAGAAATTGTTCTTTGAAGATGACAACATCCGTTCTTTATTAATA CCTTTAGAACTGGAACACAAAAACAGTGCATACATACTGTGAAAAATTTACAAAATA TTTATCAAACAACTAGCAAAAAAGTGAAGAGATCGTTATGCCAGATCACCAAAGGAAAAAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_173601


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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:	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_173601.1</u> , <u>NP_775872.1</u>
RefSeq Size:	7509 bp
RefSeq ORF:	1323 bp
Locus ID:	283464
UniProt ID:	<u>Q4G148</u>
Cytogenetics:	12q12
Protein Families:	Transmembrane
Gene Summary:	GXYLT1 is a xylosyltransferase (EC 2.4.2.-) that adds the first xylose to O-glucose-modified residues in the epidermal growth factor (EGF; MIM 131530) repeats of proteins such as NOTCH1 (MIM 190198) (Sethi et al., 2010 [PubMed 19940119]).[supplied by OMIM, Mar 2010] Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.