

Product datasheet for **SC315760**

GXYLT2 (NM_001080393) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GXYLT2 (NM_001080393) Human Untagged Clone
Tag:	Tag Free
Symbol:	GXYLT2
Synonyms:	GLT8D4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315760 representing NM_001080393. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGAAGCTCCGCAGCAAGGCGGCGCTGCTCTTGCTCGCGCTGGCGCGCTGCTGCTGGCGCTGCTG
TCCCTGCGCGCTGGCGCGCTGAGCCCCAGCGCTGCCGCGCGCCCCGCGTCCGCCCGCAGCGCCAC
CCCGCGCTGTCCCGCGCGCTGGCGGGGCGGGCGCCCTCCCGGGGCCAGCCGGGAGTTGCGAGG
CGCCGGCCCCCGCTCCGCGCCCCGAGCGGGCGCGGGGCGCTGCGAGACTGGAGAAGTTGGCGAGG
AGGCCTGGAGAACCAGGAGTTTCAAGCTGTGCTGCCACCCGAGCTCTGGATCCACCTGGCTGTGGTG
GCCTGTGGCAATCGGCTGGAGGAGACGCTGGTCATGCTCAAATCAGCTGTGCTTTTAGCCACAGGAAG
ATCCAATTCACATCTTCACTGAAGACTCTCTGAAGCCCAGTTTGATAAGCAGTTACGCCAGTGGCCT
GACTCATATACAAAGAAGTTTGAGCACAGAATCTACCCCATCACATTTCTGTTGAAACCTCAGGAG
TGGAAGAAATTGTTCAAACCTGTGCTGCCAGAGACTCTTCTTCCGGTGATTTAAAGGATGTGGAC
TCACTTCTCTACGTGGACACCGATGTCTCTTTCTGAGACCTGTTGATGACATCTGGAAGCTTCTGAGG
CTGTTTAATCCACCCAGCTTGCAGCCATGGCCCTGAGCACGAAATCCCAAGATTGGCTGGTACAGC
CGCTTTGCTAGGCATCCTTTCTATGGCTCTGCAGGAGTTAATTCAGGAGTCATGTTAATGAATTTAACT
CGGATAAGAAGTACCCAGTTCAAGAACAGCATGATTCACAGGCCTGGCTTGGGAGGACATGTTGTAC
CCTCTGTACCAGAAGTACAAGAATGCCATCACGTGGGGAGACCAGGATTTATTAATATTATTTTAT
TTCAACCCAGAGTGTCTCTATGTATTCCCTGCCAGTGGAATACCGTCCCGATCACTGCATGTACGGA
AGCAACTGCAGAGAGGCTGAGCATGAAGGTGTGTCTGTTCTGCATGGAACCCGAGGCGTCTACCATGAC
GATAAGCAACCAACGTTTCAAGCACTCTATGAAGCAATACGGGATTTTCCCTTTCAAGACAATCTCTTT
CAATCCATGTATTACCCCTTCACTGAAGTTTTTGGAGACTGTGCACACTTTATGTGGACGAATCCCG
CAAGTTTTTCTGAAGCAAATTGAGAAAACATGAAAAGGGCTTATGAGAAACACGTCATCATCCATGTT
GGCCCCAACAGATGCACTGA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001080393
Insert Size:	1332 bp
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:	NM_001080393.1
RefSeq Size:	1547 bp
RefSeq ORF:	1332 bp
Locus ID:	727936
UniProt ID:	A0PJZ3
Cytogenetics:	3p13
Protein Families:	Transmembrane
MW:	51.1 kDa
Gene Summary:	The protein encoded by this gene is a xylosyltransferase that elongates O-linked glucose bound to epidermal growth factor (EGF) repeats. The encoded protein catalyzes the addition of xylose to the O-glucose-modified residues of EGF repeats of Notch proteins. [provided by RefSeq, Sep 2016] Transcript Variant: This variant (1) represents the longer, protein-coding transcript. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.