

Product datasheet for **SC322558**

XXYLT1 (NM_152531) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	XXYLT1 (NM_152531) Human Untagged Clone
Tag:	Tag Free
Symbol:	XXYLT1
Synonyms:	C3orf21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for SC322558
 CTGGCGCCGGGGCTAAGTGGCCGCCGGCTCCGGGTACCCGAGGGCTCTCCCGCTTGCT
 GGCACCGCTGGCGCCGCGGTCTCGTAGCGCATGGGCCTCCTCCGAGGCGGGCTCCCATGC
 GCTCGGGCCATGGCGCGCTGGGCGCTGTGCGTCCCCTACTGCGCCCTGCTGCTGGCC
 GCGGCGCTGGCCGTCTGCGCCTTCTACTACCTCGGCTCAGGCCGGGAGACCTTCTCCAGC
 GCCACCAAGAGGCTGAAGGAGGCCCGCGCCGGGGCTCCCGCCGCGCCCTCGCCGCCGCG
 CTGGAGCTAGCGGGGGTCCGTGGCGCCAGCCCCGGCGCAAGGCCAAGAGCTTGGAG
 GCGGGCGGTGCCGGGCCGTGGACTACCCTGCTGATGATGTTACCAAGGCGGAGCAC
 AATGCCGCGCTGCAGGCCAAGGCCCGCGTGCCTGCGCTCACTGCTGCGCTCGCCAAG
 TTCAGAGCGCACGAGGTGCTTAACCTTCACTTCTGAGCGAGGAGGCCAGCCGCGAGGTG
 GCCAAGGGCTGCTGCGGGAGCTCCTGCCGCCCGCGCTGGCTTCAAGTCAAGGTCATC
 TTCCACGATGTTGCTGTGCTGACGGATAAGCTTCTCCCATCGTGGAGGCCATGCAGAAG
 CACTTCAGTGCTGGCTTGGGAACCTACTACAGTACTCCATCTTCTCTCGTGCCTC
 ATGCATCAGATCATGCCAAAGAGATCCTGCAGATCATTAGCTGGACCTAGACCTGAAG
 TTTAAGACCAACATCCGGGAGTTGTTTGAGGAATTTGACAGTTTCTGCCAGGCGCCATC
 ATCGGCATAGCCCGGGAGATGCAGCCAGTTTACAGGCACACATTCTGGCAGTTCCGCCAT
 GAGAACCCCCAGACCCGGGTGGGGGCCCGCCCCGAGGGGCTGCCGGGCTTCAACAGC
 GGGGTGATGTTGCTGAACCTGGAGGCCATGCGCCAGTCCCGCTTACAGCCGCTGCTG
 GAGCCGGCGCAGGTGCAGCAGCTGGCCGACAAGTACCCTTCCGCGGCCACCTCGGGAC
 CAGGACTTCTTACCATGATCGGCATGGAGCACCCCAAGCTTCCATGTGCTGGACTGT
 ACCTGGAACCGGCAGCTGTGCACCTGGTGGAGGGACCATTGGCTACAGTACGCTTTCGAG
 GCCTATTTAGGTGTGAGGGCCACGTCAAGATCTACCAGGGAAGTCAACACTCCCATC
 CCGGAGGACTAGCGCTCCCCCTGCCTTGCCCTGGGGCTCCAGATCTGGGGGAAGGAC
 AGGGTTCTTGGGACAGACCCCAAGGCGAGTGTCTGACCCGCTAGAGAGACACCGCAGGGA
 AGTCTGTGATTAAGGTGCTGAGACCTCCTGCCGGCAGGTCACTGTGCTGAGGCCACCC
 GCCAAGGACTGGCTGTGCACTGCTGGTCTTGGGACCTTATCTCCAGGGAGCAGGCG
 ACACAAAGGACACGCATGTCCAGTGGGCTGGGAAGCAAGCACTTGAAGAGAAGGAAGGG
 AGAAAGGGTCCCCCTTGCTGTCTGCCTCTGAGGAATGGAATCCTTTAGACCCGGCTTT
 TTTGGACCAATATAAATTTAATTTAAATTGACAGCCTTCCATTTTTCGAGAAAGTACAAA
 CAGAACTGCTTTAGCACCATCGAGCCCCAAACGGTAAGGTAAGCCAAGGTTTTAATGA
 CCAGCCAGTATCTAAGCTTCCAAACGAATGCCAGCCATCACATACTACCCTGGGAGG
 CTGCTGCACGCGATTCTCCTGATGCTCACGTCACTTGGTGTAGGTTTCAGGATCGCCTC
 TTTGAGGAAGGACTTCAGGACCAACTGGGGCTGCATAAGAAAATTATCTCATTATTAG
 AGTACTCACAGCTTGATCTCCAGCTACATCCTAGAACCCATTGTCTTTATTCACC
 AAACAGCTCCAGGTGACCAGACTCTACTCAGAAAGCAAAATTCGTATCAAGAACAGAG
 ACTGGCCACCACGAGGACATGCAGGAGAACTGTCGGGACCAGGAAGACTCATTCCAAAA
 GGAGCCCAGGCCGGGCACAGTCGTCAAGCCTGTAATCCCAACACTTTGGGAGACCGAGGT
 CGGGGATCGATTGAGCCTCGGAGGTGAGATCAGCCTGGGAAACACAGGGAGGCCCCCA
 TCGCTACAAAATATTTAAAAATTAGCCAGGTGTGGTGGCTTGTGCTTGTGCTCCCGCT
 ACTTGGGAGGCTGAAGTGGGAGGGTGGCTTGAGTCCAGGAGTTCAGTGCAGTGAAGTGTG
 ATCACACCACTGCACTCCAGCCTGGACGACAGAGTGAGACGTCCATCTCAAAAAAAAAA
 AAAAAACCAAAAAGGAACCCAGCAATTCCCAAGTGTGACCATGTGGGCTTGAAGACATG
 TCACTCATGGGCTAGTAAGCATTCTAGTTTCTTTGTTAAAAAATCCCCTTATCATACCA
 CGTTAGACCGTAGACCTTAGCAGAAATTAAGCGTCGTTTCTTTGATGGGGCTCCTGT
 ACGTAGGCTGCAGACGTGAAAGCCCCAGGGTCCATTTGTATCAATTTTCATCTTGT
 GTTTGTTTGTATTTACGTTTCTTTTCCCATGAGTGAGGATAGCTAATAAATC
 ATCTTTGAGAAA
 AA

Restriction Sites:

Please inquire

ACCN:

NM_152531

OTI Disclaimer: 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.

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](#)

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_152531.3](#), [NP_689744.3](#)

RefSeq Size: 2820 bp

RefSeq ORF: 1182 bp

Locus ID: 152002

UniProt ID: [Q8NBI6](#)

Cytogenetics: 3q29

Domains: Glyco_transf_8

Protein Families: Transmembrane

Gene Summary:

Alpha-1,3-xylosyltransferase, which elongates the O-linked xylose-glucose disaccharide attached to EGF-like repeats in the extracellular domain of target proteins by catalyzing the addition of the second xylose (PubMed:22117070, PubMed:8982869). Known targets include Notch proteins and coagulation factors, such as F9 (PubMed:22117070, PubMed:8982869). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).