

Product datasheet for SC108375

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108375 sequence for NM_152531 edited (data generated by NextGen Sequencing) <pre> ATGGGCTCCTCCGAGGCGGGCTCCCATGCGCTCGGGCCATGGCGCGCTGGGCGCTGTG CGCTCCCACTACTGCGCCCTGCTGCTGGCCGCGGCGCTGGCCGTCTGCGCCTTCTACTAC CTCGGCTCAGGCGGGAGACCTTCTCCAGCGCCACCAAGAGGCTGAAGGAGGCCCGCGCC GGGGCTCCCGCCGCGCCCTCGCCGCCGCGCTGGAGCTAGCGGGGGCTCCGTGGCGCCA GCCCCGCGCGAAGGCCAAGAGCTTGGAGGGCGCGGTGCCGGGCGGTGGACTACCAC CTGCTGATGATGTTACCAAGGCGGAGCACAATGCCGCGCTGCAGGCCAAGGCCCGCGTC GCGCTGCGCTCACTGCTGCGCCTCGCCAAGTTCGAGGCGCACGAGGTGCTTAACCTTCAC TTCGTGAGCGAGGAGGCCAGCCGCGAGGTGGCCAAGGGCCTGCTGCGGGAGCTCCTGCCG CCCGCCGCTGGCTTCAAGTGCAAGGTCATCTTCCACGATGTTGCTGTGCTGACGGATAAG CTTTCCCATCGTGGAGGCCATGCAGAAGCACTTCAGTGCTGGCTTGGGAACCTACTAC AGTGACTCCATCTTCTTCTCTCGGTCGCCATGCATCAGATCATGCCCAAAGAGATCCTG CAGATCATTAGCTGGACCTAGACCTGAAGTTTAAAGACCAACATCCGGGAGTTGTTTGAG GAATTTGACAGTTTCTGCCAGGCGCCATCATCGGCATAGCCCGGGAGATGCAGCCAGTT TACAGGCACACATTCTGGCAGTTCCGCCATGAGAACCCCGAGACCCGGGTGGGGGCCCG CCCCCGAGGGGCTGCCGGGCTTCAACAGCGGGGTGATGTTGCTGAACCTGGAGGCCATG CGCCAGTCCCCGCTCTACAGCCGCTGCTGGAGCCGCGCAGGTGCAGCAGCTGGCCGAC AAGTACCACTTCCGCGGCCACCTCGGGGACCAGGACTTCTTACCATGATCGGCATGGAG CACCCCAAGCTCTTCCATGTGCTGGACTGTACCTGGAACCGGCAGCTGTGCACCTGGTGG AGGGACCATGGCTACAGTGACGTCTTCGAGGCCTATTTAGGTGTGAGGGCCACGTCAAG ATCTACCACGGGAAGTGAACACTCCCATCCCGGAGGACTAG </pre>

Clone variation with respect to NM_152531.4



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152531 unedited
 GGCCGCGAAATTCGCACGAGGGTCCGGGTACCCGAGGGCTCTCCCGCGTTGCTGGCACCG
 CTGGCGCCGCGGTCTCGTAGCGCATGGGCTCTCCGAGGCGGGCTCCCATGCGCTCGGG
 CCATGGCGCGCTGGGCGCTGTGCGCTCCCACTACTGCGCCCTGCTGCTGGCCGCGGCGC
 TGGCCGTCTGCGCCTTCTACTACCTCGGCTCAGGCCGGGAGACCTTCTCCAGCGCCACCA
 AGAGGCTGAAGGAGGCCCGCGCCGGGGCTCCCGCCGCGCCCTCGCGCCCGCGCTGGAGC
 TAGCGCGGGGCTCCGTGGCGCCAGCCCCGGCGCGAAGGCCAAGAGCTTGGAGGGCGGCG
 GTGCCGGGCCGCTGGACTACCACCTGCTGATGATGTTTACCAAGGCGGAGCACAAATGCCG
 CGCTGCAGGCCAAGGCCGCGCTGCGCTGCGCTCACTGCTGCGCCTCGCCAAGTTCGAGG
 CGCACGAGGTGCTTAACCTTCACTTCGTGAGCGAGGAGGCCAGCCGCGAGGTGGCCAAGG
 GCCTGCTGCGGGAGCTCTGCGCCCGCGCTGGCTTCAAGTGAAGGTCATCTTCCACG
 ATGTTGCTGTGCTGACGGATAAGCTCTTCCCCATCGTGGAGGCCATGCAGAAGCACTTCA
 GTGCTGGCTTGGGAACCTACTACAGTGACTNCATCTTCTCTCTCGGTGCGCATGCATC
 AGATCATGCCCAAAGAGATCCTGCAGATCATTAGCTGGACCCTAGGACCTGAGTTAAGA
 ACCACTNCGGGGAGTTGTTTGAAGAAATTGACAGTTTTCTGGCAAGCGCCATCATCGGCA
 TAGCCCCCGNAGATGCAACCAAGTTTACAGGCACACATTCTGGCAGTTCCGCATGAGAAC
 CCCAAACCCGNTTGGGGCCCCCCCCGAGGGGCTCCGGGCTTAACACGGGGGTGATG
 TTGTGAACCTGAAGCATGGCCAATCCCGTTTTAACCGCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152531 unedited
 NNNGGTCCACTAAGNNACCGGCGCGCAANCTANGATCGAGTTTTTTTTTTTTTTTTTTT
 AGATGGACGTCTCACTCTGTGTCAGGCTGGAGTGCAGTGGTGTGATCACAGCTCAGTG
 CAGTGAATCCTGGACTCAAGCCACCCTCCCACTTCAGCCTCCCAAGTAGCCGGGACAAC
 AAGCACAGGCCACCACACCTGGCTAATTTTTAAATATTTGTAGCGATGGGGGCTCCC
 TGTGTTTTCCAGGCTGATCTCGACCTCCGAGGCTCAATCGATACCCCACTCGGTCTCC
 CAAAGTGTGGGATTACAGGCTTGACGACTGTGCGCGGCTGGGCTCCTTTTTGGAATGA
 GTCTTCTGGTCCCGACAGTTCTCCTGCATGTCCTCGTGGTGGCCAGTCTCTGTTCTTTG
 ATGACGAATTTGCTTTCTGAGTAGAGTCTGGTCACCTGGAGCTGGTTTGGTGAATAAAG
 GACAATGGGGTTCTAGGATGTAGCTGGGAGATAACAAGCTGTGAGTACTCTAATAATGAGA
 TAAGTTTTCTTATGCAGGCCCAAGTTGGTCCTGAAGTCCTTCTCAAAGAGGCGATCCTG
 AAACCTACACCAAGTGACGTGAGCATCAGGAGAATGCGCGTGCAGCAGCCTCCAGGGTG
 AGTATGTGATGGGCTGGCATTCTGTTTGAAGCTTAGATACTGGGCTGGTCATTAACCT
 TGGCTTACCTTACCCGTTTGGGGCTCGATGGGTGCTAAAGCAGTTCTGTTTGTACTTTCT
 CGAAAATGGGAGGCTGTCAATTTAAATTAATTTATATTGGTCCANAAAAGGCCGGGTCTA
 AAGGATTTCCATTCTCAGAAGCAGACAGCAAGGGGGACCCTTTCTCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_152531

Insert Size:

2750 bp

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
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).