

Product datasheet for **SC108645**

RXYLT1 (NM_014254) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RXYLT1 (NM_014254) Human Untagged Clone
Tag:	Tag Free
Symbol:	RXYLT1
Synonyms:	HP10481; MDDGA10; TMEM5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108645 sequence for NM_014254 edited (data generated by NextGen Sequencing)

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ATGCGGCTGACGCGGAAGCGGCTCTGCTCGTTTCTTATCGCCCTGTACTGCCTATTCTCC
CTCTACGCTGCCTACCAGTCTTCTTCGGGCGCCGCCAGGCGCCGGCCGGTCCCGG
CGGGCCCTCAGGAAGGGGCGGCCCGCGCGGAGAGACGCGGCCGAGAACAGTCCACT
TTGGAAAGTGAAGAAATGGAATCCTTGGGAAGGAGATGAAAAAATGAGCAACAACACAGA
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CAAATCTGGGCAAAGCTGCCATTGGCTTGTATCTCTGGGAGCATATTTTTGAAGCTTA
CTTGATCCACGCGATGTGACTGCTCAATGGAGAGAAGGAAAGTCAATCGTAGGAAGAACA
CAGTACAGCTTCATCACTGGTCCAGCTGTAATACCAGGTAATCTCCGTTGATGTGAAT
AATGTGGTACTCATTTTTAAATGGAAGAGAAAAAGCAAAGATCTTTTATGCCACCCAGTGG
TTACTTTATGCACAAAATTTAGTGCAAATTCAAAACTCCAGCATCTTGCTGTTGTTTTG
CTCGGAAATGAACATTGTGATAATGAGTGGATAAACCCATTCTCAAAGAAATGGAGGC
TTCGTGGAGCTGCTTTTCATAATATATGACAGCCCTGGATTAATGACGTGGATGTTTTT
CAGTGGCCTTTAGGAGTAGCAACATACAGGAATTTTCTGTGGTGGAGGCAAGTTGGTCA
ATGCTGCATGATGAGAGGCCATATTTATGTAATTTCTTAGGAACGATTTATGAAAATTC
TCCAGACAGGCACTAATGAACATTTTAAAAAGATGGGAACGATAAGCTTTGTTGGGT
TCAGCAAGAGAACACTGGCAGCCTCAGGAAACAAATGAAAGTCTTAAGAATTACCAAGAT
GCCTTGCTTCAGAGTGATCTCACATTGTGCCGGTCGGAGTAAACACAGAATGCTATCGA
ATCTATGAGGCTTGCTCCTATGGCTCCATTCTGTGGTGGAAAGACGTGATGACAGCTGGC
AACTGTGGGAATACATCTGTGCACCACGGTCTCCTCTGCAGTTACTCAAGTCCATGGGT
GCTCCCTTTATCTTTATCAAGAACTGGAAGGAACTCCCTGCTGTTTTAGAAAAAGAGAAA
ACTATAATTTTACAAGAAAAAATGAAAGAAGAAAAATGTTACTTCAGTGGTATCAGCAC
TTCAAGACAGAGCTTAAATGAAATTTACTAATATTTTAGAAAGCTCATTTTTAATGAAT
AATAAAAGTTAA

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Clone variation with respect to NM_014254.1



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014254 unedited TCGGATTTTGTAAATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACGAGGGCCTGCCT CGGACGCCCGCGGTGTCGCGGATTCTCTTTCCGCCGCTCCATGGCGGTGGATGCCTGAC TGGAAAGCCCGAGTGGGATGCGGCTGACGCGGAAGCGGCTCTGCTCGTTTCTTATCGCCCT GTACTGCCTATTCTCCCTCTACGCTGCCTACCAGTCTTCTTCGGGCGCCGCCAGGC GCCGGCCGGGTCCCCGCGGGCCTCAGGAAGGGGGCGCCCGCGCGGGAGAGACGCGG CCGAGAACAGTCCACTTTGGAAAGTGAAGAATGGAATCCTTGGGAAGGAGATGAAAAAAA TGAGCAACAACACAGATTTAAAAGTACTGCTTCAAATATTAGATAAATCCACGAAAGGAAA AACAGATCTCAGTGTACAATCTGGGGCAAAGCTGCCATTGGCTTGTATCTCTGGGAGCA TATTTTGAAGGCTTACTTGATCCCAGCGATGTGACTGCTCAATGGAGAGAAGGAAAAGTC AATCGTAGGAAGAACACAGTACAGCTTCATCACTGGTCCAGCTGTAATACCAGGGTACTT CTCCGTTGATGTGAATAATGTGGTACTCATTTTAAATGGAAGAGAAAAAGCAAAGATCTT TTATGCCACCCAGTGGTTACTTTATGCACAAAATTTAGTGCANATTCAAAACTCCAGCA TCTTGCTGTTGTTTGTCTCGGAAATGAACATTGTGATAATGAGTGGATAAACCCATTCT CANAAGAATGGAGCTTCGTGGAGCTGCTTTTCATATATGACAGCCCTGGATTATGA CGTGGATGTTTTTCAAGTGCCTTTAGGAGTAGCACATACAGAATTTTCTGTGGTGGAGC AAGTTGTCATGCTGCTGATGAGAGGCATATTNATGTATTCTTAGAACGATTATGAAAATC TCCAGACGGCCT
Restriction Sites:	NotI-NotI
ACCN:	NM_014254
Insert Size:	1500 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).
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_014254.1 , NP_055069.1
RefSeq Size:	1451 bp
RefSeq ORF:	1332 bp
Locus ID:	10329
UniProt ID:	Q9Y2B1
Cytogenetics:	12q14.2
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a type II transmembrane protein that is thought to have glycosyltransferase function. Mutations in this gene result in cobblestone lissencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2013]

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 genomic coordinates used for the transcript record were based on transcript alignments.