

Product datasheet for **RC236363**

RXYLT1 (NM_001278237) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RXYLT1 (NM_001278237) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RXYLT1
Synonyms: HP10481; MDDGA10; TMEM5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236363 representing NM_001278237
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGCATGATGAGAGGCCATATTTATGTAATTTCTTAGGAACGATTTATGAAAATTCATCCAGACAGG
CACTAATGAACATTTTAAAAAAGATGGGAACGATAAGCTTTGTTGGGTTTCAGCAAGAGAACACTGGCA
GCCTCAGGAAACAAATGAAAGTCTTAAGAATTACCAAGATGCCTTGCTTCAGAGTGATCTCACATTTGTC
CCGGTCGGAGTAAACACAGAATGCTATCGAATCTATGAGGCTTGCTCCTATGGCTCCATTCTGTGGTGG
AAGACGTGATGACAGCTGGCAACTGTGGGAATACATCTGTGCACCACGGTCTCCTCTGCAGTTACTCAA
GTCCATGGGTGCTCCCTTTATCTTTATCAAGAAGTGAAGGAACTCCCTGCTGTTTTAGAAAAAGAGAAA
ACTATAATTTTACAAGAAAAAATGAAAGAAGAAAAATGTTACTTCAGTGGTATCAGCAGCTTCAAGACAG
AGCTTAAATGAAATTTACTAATATTTTAGAAAGCTCATTTTTAATGAATAATAAAAGT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236363 representing NM_001278237
Red=Cloning site Green=Tags(s)

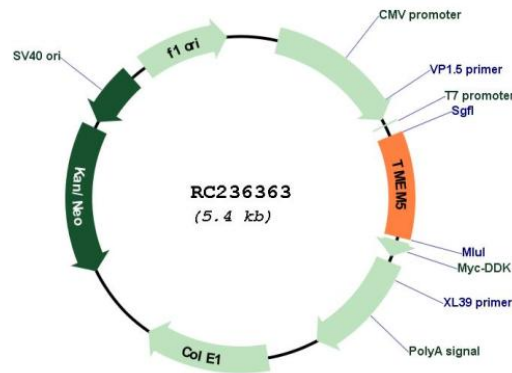
MLHDERPYLCNFLGTIYENSSRQALMNILKKGNDKLCWVSAREHWQPQETNESLKNYQDALLQSDLTLC
PVGVNTECYRIYEACSYGSI PVVEDVMTAGNCGNTSVHHGAPLQLLKSMGAPFIFIKNWKELPAVLEKEK
TII LQEKIERRKMLLQWYQHFKTELKMKFTNILESSFLMNNKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001278237

ORF Size: 549 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001278237.1</u> , <u>NP_001265166.1</u>
RefSeq Size:	1973 bp
RefSeq ORF:	552 bp
Locus ID:	10329
UniProt ID:	<u>Q9Y2B1</u>
Cytogenetics:	12q14.2
Protein Families:	Transmembrane
MW:	21.7 kDa
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]