

Product datasheet for **RG236363**

RXYLT1 (NM_001278237) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RXYLT1 (NM_001278237) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RXYLT1
Synonyms: HP10481; MDDGA10; TMEM5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236363 representing NM_001278237.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCATGATGAGAGGCCATATTTATGTAATTTCTTAGGAACGATTTATGAAAATTCACCGACAG
GCCTAATGAACATTTTAAAAAAGATGGGAACGATAAGCTTTGTTGGGTTTCAGCAAGAGAACACTGG
CAGCCTCAGAAACAAATGAAAGTCTTAAGAATTACCAAGATGCCTTGCTTCAGAGTGATCTCACATTG
TGCCCGGTGGGAGTAAACACAGAATGCTATCGAATCTATGAGGCTTGCTCCTATGGCTCCATTCTGTG
GTGAAGACGTGATGACAGCTGGCAACTGTGGGAATACATCTGTGCACCACGGTGCTCCTCTGCAGTTA
CTCAAGTCCATGGGTGCTCCCTTTATCTTTATCAAGAAGTGAAGGAAGTCCCTGCTGTTTTAGAAAA
GAGAAAATATAATTTTACAAGAAAAAATTGAAAGAAGAAAAATGTTACTTCAGTGGTATCAGCACTTC
AAGACAGAGCTTAAAAATGAAATTTACTAATATTTAGAAAGCTCATTTTTAATGAATAATAAAAGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

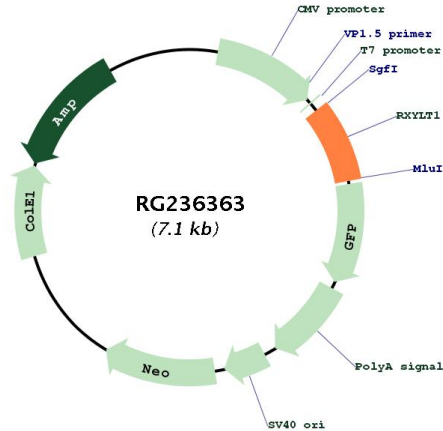
Protein Sequence: >Peptide sequence encoded by RG236363
Blue=ORF Red=Cloning site Green=Tag(s)

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MLHDERPYLCNFLTGIYENSSRQALMNILKKGNDKLCWVSAREHWQPQETNESLKNYQDALLQSDLTL
CPVGVNTECYRIYEACSYGSIPVVEDVMTAGNCGNTSVHHGAPLQLLKSMPGAPFIFIKNWKELPAVLEK
EKTIILQEKIERRKMLLQWYQHFTELKMKFTNILESSFLMNNKS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
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Restriction Sites: Sgfl-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).
RefSeq:	NM_001278237.1 , NP_001265166.1
RefSeq Size:	1973 bp
RefSeq ORF:	552 bp
Locus ID:	10329
UniProt ID:	Q9Y2B1
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]