

Product datasheet for RC212784

GXYLT2 (NM_001080393) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GXYLT2 (NM_001080393) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GXYLT2
Synonyms: GLT8D4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC212784 representing NM_001080393
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCTCCGCAGCAAGGCGGGCGCTGCTCTTGCTCGCGCTGGCCGCGCTGCTGCTGGCGCTGCTGT
CCCTGCGCGCTGGCCGCGCTGAGCCCCAGCGCTGCCCGCGCCCGCGTCCGCCCGCAGCGCCACCC
CGCGCCTGTCCCGCGCGCTGGCCGGGGCCGGGCGCCCTCCCGGGGCCAGCCCGGAGTTCGGAGGCGC
CGGCCCGCGCTCCGCGCCCCGAGCGGGCCGCCGGGGCGCTGCGAGACTGGAGAAGTTGGCGAGGAGGC
CTGGAGAACCAGGAGTTTCCAAGCTGTGCTGCCACCCGAGCTCTGGATCCACCTGGCTGTGGTGGCCTG
TGGCAATCGGCTGGAGGAGACGCTGGTCATGCTCAAATCAGCTGTGCTTTTTAGCCACAGGAAGTCCAA
TTCCACATCTTCACTGAAGACTCTGAAGCCGAGTTTGATAAGCAGTTACGCCAGTGGCCTGACTCAT
ATACAAAGAAGTTTGAGCACAGAATCTACCCATCACATTTTCTGTTGAAAACCCAGGAGTGGAAAGAA
ATTGTTCAAACCTGTGCTGCCAGAGACTCTTCTCCGGTGATTTAAAGGATGTGGACTCACTTCTC
TACGTGGACACCGATGTCTCTTCTGAGACCTGTTGATGACATCTGGAAGCTTCTGAGGCTGTTAATT
CCACCCAGCTTGACCCATGGCCCTGAGCACGAAATCCCAAGATTGGCTGGTACAGCCGCTTGGCTAG
GCATCCTTTCTATGGCTCTGCAGGAGTTAATTCAGGAGTCAATGTAATTTAACTCGGATAAGAAGT
ACCCAGTCAAGAACAGCATGATTCCAACAGGCCTGGCTTGGGAGGACATGTTGTACCCTCTGTACCAGA
AGTACAAGAATGCCATCACGTGGGAGACCAGGATTTATTAATATTATTTTTTTTCAACCCAGAGTG
TCTCTATGTATCCCTGCCAGTGAAGTACCCTCCGATCACTGCATGTACGGAAGCAACTGCAGAGAG
GCTGAGCATGAAGGTGTCTGTTCTGCATGGAACCCGAGGCGTCTACCATGACGATAAGCAACCAACGT
TCAGAGCACTCTATGAAGCAATACGGATTTTCCCTTTCAAGACAATCTTTCAATCCATGTATTACCC
CCTTCAGCTGAAGTTTTTGGAGACTGTGCACACTTTATGTGGACGAATCCCGAAGTTTTTCTGAAGCAA
ATTGAGAAAACAATGAAAAGGGCTTATGAGAAACAGTCATCATCCATGTTGGCCCAACAGATGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC212784 representing NM_001080393
 Red=Cloning site Green=Tags(s)

MKLRSKAAALLLALAALLLALLSLRAGRAEPPALPARPASAPQRHPAPVPARWPGGALPGASPGVRRR
 RPPRPRPRAGRRGAARLEKLARRPGEPFSFQAVLPPLEWIHLAVVACGNRLEETLVMLKSAVLFSHRKIQ
 FHIFTEDSLKPEFDKQLRQWPDSYTKKFEHRIYPITFSVGNPQEWKLFKPCAAQRLFLPVILKDVDLSL
 YVDTDLVFLRPVDDIWKLLRFLNSTQLAAMAPEHEIPKIGWYSRFARHPFYGSAGVNSGVMLMNLTRIRS
 TQFKNSMIPTGLAWEDMLYPLYQKYKNAITWGDQDLLNIIFYFNPECLYVFCQWNYRPDHCMYGSNCRE
 AEHEGVSVLHGNGVYHDDKQPTFRALYEAIRDFPFQDNLFFQSMYPLQLKFLETVHTLCGRIPQVFLKQ
 IEKTMKRAYEKHVIIHVGNQMH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

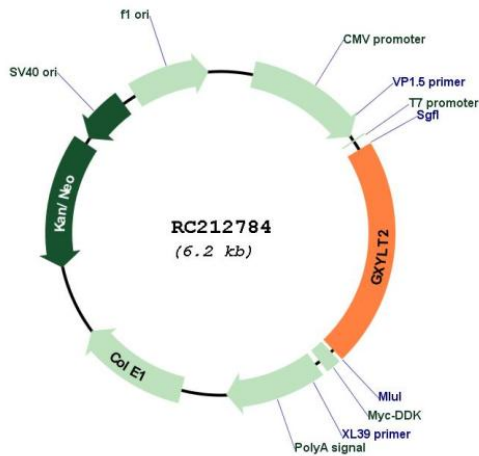
Chromatograms: https://cdn.origene.com/chromatograms/mk8005_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

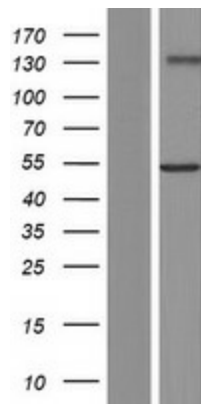


Plasmid Map:



ACCN:	NM_001080393
ORF Size:	1329 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.
RefSeq:	NM_001080393.2
RefSeq Size:	1547 bp
RefSeq ORF:	1332 bp
Locus ID:	727936
Protein Families:	Transmembrane
MW:	50.9 kDa
Gene Summary:	The protein encoded by this gene is a xylosyltransferase that elongates O-linked glucose bound to epidermal growth factor (EGF) repeats. The encoded protein catalyzes the addition of xylose to the O-glucose-modified residues of EGF repeats of Notch proteins. [provided by RefSeq, Sep 2016]

Product images:



Western blot validation of overexpression lysate (Cat# [LY421611]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212784 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).