

Product datasheet for **RC208572L2V**

XYLT2 (NM_022167) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	XYLT2 (NM_022167) Human Tagged ORF Clone Lentiviral Particle
Symbol:	XYLT2
Synonyms:	PXYLT2; SOS; XT-II; XT2; xylT-II
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_022167
ORF Size:	2595 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208572).
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_022167.2 , NP_071450.1
RefSeq Size:	3567 bp
RefSeq ORF:	2598 bp
Locus ID:	64132
UniProt ID:	Q9H1B5
Cytogenetics:	17q21.33
Domains:	Branch
Protein Families:	Transmembrane



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Protein Pathways: Chondroitin sulfate biosynthesis, Heparan sulfate biosynthesis, Metabolic pathways

MW: 96.6 kDa

Gene Summary: The protein encoded by this gene is an isoform of xylosyltransferase, which belongs to a family of glycosyltransferases. This enzyme transfers xylose from UDP-xylose to specific serine residues of the core protein and initiates the biosynthesis of glycosaminoglycan chains in proteoglycans including chondroitin sulfate, heparan sulfate, heparin and dermatan sulfate. The enzyme activity, which is increased in scleroderma patients, is a diagnostic marker for the determination of sclerotic activity in systemic sclerosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]