

Product datasheet for **MR218127L4V**

Xylt1 (NM_175645) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Xylt1 (NM_175645) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Xylt1
Synonyms:	8030490L12
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_175645
ORF Size:	2859 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218127).
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_175645.3 , NP_783576.2
RefSeq Size:	3070 bp
RefSeq ORF:	2862 bp
Locus ID:	233781
UniProt ID:	Q811B1
Cytogenetics:	7 F1



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Gene Summary:

Catalyzes the first step in the biosynthesis of chondroitin sulfate and dermatan sulfate proteoglycans, such as DCN. Transfers D-xylose from UDP-D-xylose to specific serine residues of the core protein. Required for normal maturation of chondrocytes during bone development, normal onset of ossification and normal embryonic and postnatal skeleton development, especially of the long bones.[UniProtKB/Swiss-Prot Function]