

## Product datasheet for **MR209907**

### **Xylt2 (NM\_145828) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Xylt2 (NM_145828) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xylt2
Synonyms:	E030002B02Rik; XT-II; XT2; xylT-II
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR209907 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCAAGTCTGTGCCCGGCACTGCCAGCTGGCTGGCAAGATGAGCCCTGGCGTCCAATGGGAAGAGA  
TCCGGGCCAGCAGCCTGTTGGTGGCCCTCCAGTACGCATCGCCTACATGCTGGTGGTTACGGCCGTGC  
TATCCGCCAGCTGAAGCGTCTTCTGAAGGCCGTCTACCATGAGCAACTTCTTTTATATACATGTGGAC  
AAGCGTTCACACTACCTGTACCGGGAGGTAGTGGAACTGGCCAGCACTACGAGAATGTGCGGGTACAC  
CTTGGCGCATGGTCACCATCTGGGGCGGGCCAGCCTTCTGAGGATGTATCTGAGGAGCATGAAGGACCT  
TCTGAAATTCCTGGCTGGACCTGGGACTTCTTCATCAACTGAGTGCCACTGACTATCCAACGAGGACG  
AATGAGGAGCTGGTAGCATTCTTATCCAAGAACCAGGACAAGAATTTCTCAAGTCACATGGCGGAGACA  
ATTCAGGTTTATTAAGAAGCAAGGCTGGACCGCTTTCCATGAGTGTGATCCACATGTGGCGCT  
GGGTGAACGGCAGATCCCGGCAGGCATTGTGGTGGATGGTGGCTCTGACTGGTTTGTGCTGACACGCAGC  
TTTGTGGAATATGTTGTATACAGATGACCCCTCGTGGCCAGCTTCGCCAGTTCTATACATACACAT  
TGCTTCCGGCTGAGTCATTCTTCCACACAGTGTGGAGAACAGCCCGGCCTGTGCGAGCCTGGTGGACAA  
CAACTGCGGGTCACTGGAACCGCAAGCTGGGCTGCAATGCCAGTACAAGCACATCGTGGACTGG  
TGCGGCTGCTCCCCAACGACTTCAAGCCACAGGACTTCTGAGGCTTACGAAGTCTCCAGACCCACT  
TCTTTGCCGGAAGTTCGAGTCGACTGTGAACCAGGAAGTCTGGAAATTTGGACTTCCATCTATATGG  
CAGTACCCACCCAGCACACCAGCCCTCAAAGCCTACTGGGAGAACATCTACGACGTGGCCGATGGCCCT  
GGCGGACTCAGCGAGTCTACTCACAGCCTACACAGCCTTTGCCGCTCAGCCTGCGTCATGCTGCCA  
CTGCTGTATCCCACTGGCCACTGCAGTCTGCAGTTTGGAGCCAGGGGTTGCCGTCAGCGTGCACCT  
GTATTTCTATGACGACCATTTCCAGGGCTACCTGGTGACGCAGGCGGTGCAGCCCTCAGCCAGGGGCCA  
GCAGAGACACTTGAGATGTGGCTGATGCCCCAGAGGTCGCTGAAGCTGTTGGGGCACAGTGACCAGGCCA  
GCCGGCTCCAGAGTCTGGAGTTGGTACTGAGTGGGACCCCAAAGAAGCTCTTCCGGAATTTGGGGG  
CCTGCTGGGACCACTGGATGAGCCTGTAGCCATGCAGCGCTGGGCCGGGGCCCCAACCTCACAGCCACT  
GTGGTCTGGATTGACCCACCTATGTTGTGGCCACATCGTATGACATCACGGTAGATGCGGATACCGAAG  
TCACGCAGTACAAGCCTCCACTGAGCCTGCCACTGCGGCCGGGAGCCTGGACTGTCCGCTTGCTTCAGTT  
CTGGGAACCCCTGGGTGAGACCCGCTTCTCGTGTGCCGTTGACGTTCAACCGCAAACCTCTCAGG  
AAAGATGATGCCAGCTGGCTGCATGCGGGACCACCCACAACGAATACATGGAGCAGAGTTTCCAGGGCC  
TAAGTGGCATCCTGAATCTGCCTCAGGCAGAGGCCCTGGAGGAGGCTGCCCGGAGGCACACAGAGCTCAC  
GGTTCTGCACCTGAGGCTGGACAGATGGGAACTGAGCAATTTCTGGTCTGTGGCAGGATTGTGTGCC  
ATAGGACCTTCTGCTTGTCCCTCCCTGGAGCTCTGCAGACTGACCAGCTGGAGCTCTGTCTCCTGACC  
CCAAGTCAGAGCTGGGGCTGTCAAAGCTGACGGGCGACTCAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Reconstitution Method:**

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:** [NM\\_145828.3](#)

**RefSeq Size:** 3424 bp

**RefSeq ORF:** 2598 bp

**Locus ID:** 217119

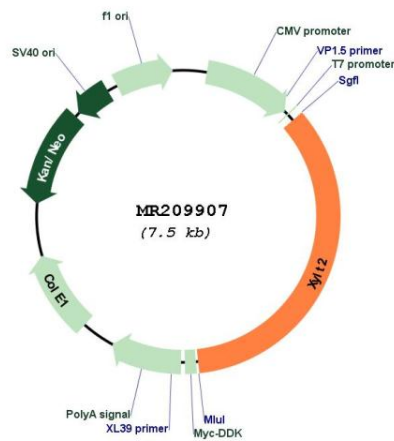
**UniProt ID:** [Q9EPL0](#)

**Cytogenetics:** 11 D

**MW:** 76.1 kDa

**Gene Summary:** Catalyzes the first step in the biosynthesis of chondroitin sulfate, heparan sulfate and dermatan sulfate proteoglycans, such as DCN (PubMed:17517600). Transfers D-xylose from UDP-D-xylose to specific serine residues of the core protein (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR209907