

Product datasheet for **MC206614**

Xylt2 (BC034082) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xylt2 (BC034082) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Xylt2
Synonyms:	XT-II, XT2, xylT-II
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC034082
 GATAGGGGCCCCAGGCTTCCCACAGCATGGAGACACAGGGAGTGTGGAGGGTGCCCCCAGCCCACGGAC
 AACACCTTCACTCCGAAGTGTGAGATTGTGGGCAAGGACGCACTGTCAGCACTGGCCCGGGCCAGCACCA
 AGCAGTGTCAACAGGAGATCGCTAATGTAGTGTGCCTGCACCAAGCTGGGAACCTAATGCCCAAGTCTGT
 GCCCGGCACTGCCAGCTGGCTGGCAAGATGAGCCCTGGCGTCCAATGGGAAGAGATCCGGGCCAGCAG
 CCTGTTGGTGGCCCTCCAGTACGCATCGCTACATGCTGGTGGTTCACGGCCGTGCTATCCGCCAGCTGA
 AGCGTCTTCTGAAGGCCGTCTACCATGAGCAACACTTCTTTTATACATGTGGACAAGCCTTCCAACCTA
 CCTGTACCGGGAGGTAGTGGAACTGGCCAGCACTACGAGAATGTGCGGGTGACACCTTGGCGCATGGTC
 ACCATCTGGGGCCGGGCCAGCCTTCTGAGGATGTATCTGAGGAGCATGAAGGACCTTCTGGAAATCCTG
 GCTGGACCTGGGACTTCTTCATCAACCTGAGTGCCACTGACTATCCAACGAGGACGAATGAGGAGCTGGT
 AGCATTCTTATCCAAGAACCGGGACAAGAATTTCTCAAGTACATGGGCGAGACAATTCAGGTTTATT
 AAGAAGCAAGGCCTGGACCGCTTTTCCATGAGTGTGATTCCACATGTGGCGCTGGGTGAACGGCAGA
 TCCCGGCAAGCATTGTGGTGGATGGTGGCTCTGACTGGTTTGTGCTGACACGCAGCTTTGTGAATATGT
 GGTGTATACAGATGACCCCTCGTGGCCAGCTTCGCCAGTCTATACATACACATTGCTCCGGCTGAG
 TCATTCTCCACACAGTGTGGAGAACAGCCCGCTGTGCGAGCCTGGTGGACAACAACCTGCGGGTCA
 CCAACTGGAACCGCAAGCTGGGCTGCAATGCCAGTACAAGCACATCGTGGACTGGTGGCGCTGCTCCCC
 CAACGACTTCAAGCCACAGGACTTCTGAGGCTTCAAGCAAGTCTCCAGACCCACCTTCTTGGCCGGAAG
 TTCGAGTCGACTGTGAACCAGGAAGTCTGAAATTTTGGACTTCCATCTATATGGCAGCTACCCACCCA
 GCACACCAGCCCTCAAAGCCTACTGGGAGAACATCTACGACGTGGCCGATGGCCCTGGCGGACTCAGCGA
 CGTCTACTCACAGCCTACACAGCCTTTGCCGCTCAGCCTGCGTATGCTGCCACTGCTGTATCCCCA
 CTGGCCACTGCAGTCTGCAGGTTTGAAGCCAGGGGTTGCCGTCAGCGTGCACCTGTATTTCTATGACG
 ACCATTTCCAGGGCTACCTGGTACGACAGGCGGTGCAGCCCTCAGCCAGGGGCCAGCAGAGACACTTGA
 GATGTGGCTGATGCCCCAGAGGTCGCTGAAGCTGTTGGGACACAGTACCAGGCCAGCCGGCTCCAGAT
 CTGGAGGTTGGTACTGAGTGGGACCCCAAGAAGCTCTTCCGGAACCTTGGGGCCTGCTGGGACCAC
 TGGATGAGCCTGTAGCCATGCAGCGCTGGGCCCCGGGCCCAACCTCACAGCCACTGTGGTCTGGATTGA
 CCCCACCTATGTTGTGGCCACATCGTATGACATCACGGTAGATGCGGATACCGAAGTACAGCAGTACAAG
 CCTCCACTGAGCCTGCCACTGCGGCCGGGAGCCTGGACTGTCCGCTTGTTCAGTTCTGGGAACCCCTGG
 GTGAGACCCGCTTCTCGTGTGCCGTTGACGTTCAACCGCAAACCTCCTCAGGAAAGATGATGCCAG
 CTGGCTGCATGCGGGACCACCCACAACGAATACATGGAGCAGAGTTTCCAGGGCCTAAGTGGCATCCTG
 AATCTGCCTCAGGCAGAGGCCCTGGAGGAGGCTGCCCGGAGGCACACAGAGCTCACGGGTTCTGCACTT
 AGGCCTGGACAGATGGGAACTGAGCAATTTCTGGTCTGTGGCAGGATTGTGTCCATAGGACCTTCTGC
 TTGTCCCTCCCTGGAGCTCTGCAGACTGACCAGCTGGAGCTCTGTCTCCTGACCCCAAGTCAGAGCTG
 GGGCCTGTCAAAGCTGACGGGCGACTCAGGTAGCAGGACCCAGCCAGCAACCCGGAGGAGCCGGGGA
 ATTGCACCTTACAGACAACGGAGGGACATCTCTCCACAGACAAGAACCAGAGGCCAGGCAAGTTTGCC
 ATTTGAGCCAACAGGAACCTACTGAGGGCAGGGAAAGTGGGTGCAGTACTCCCTACTGCTAACGGCCC
 TGCAAGAGACCAGCGTCCACTGGAGCCATGAGGAGGATCTTCTCTGCTCCTCGTTAGTTTATACTTTT
 TTAATAATTAATAATGAGTGGCAGAGGGAGGACGATGTGCAATAGGGCTCAGAGCAGCCCCAGGATATGG
 CCATGGCCATGGGAGCACCACAGAGCATATCGGTTTCTGCTCTGGGAGGCATGGGCTGCCTCCCTCTC
 CAGAGCCTCCATCCCCAGCCTGCATCTGAACTGCGCACTGCTGAGGCTCTGAGGCCGGAGGACAGGTGA
 TCTGTGGGGCTACTGTGGAGTTGGACTTTAGTGAGCAGGCCTCCTCTGGGAGCCAGGAGCCCTAGA
 GCAGAGCTGGGGCCGGCTCTCGGCTTCCCTAGGAAATGCGCGCCATCAGGGCCTGCTGAGATCCATGAA
 GTTTCCCTACTGGAGGAGGAAGCCCACTGGCGGCACAGGAAGGCTGTCTGTGAGAGCTCTACAAGAGTC
 GAGTTGTGCCTGAAGCTCAGTGCAGGCTGAAATATGCAACAGAGGAAATATATCTCTATCTCTCCAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC034082
Insert Size: 2007 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).
Reconstitution Method:	<ol style="list-style-type: none">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:	BC034082 , AAH34082
RefSeq Size:	2974 bp
RefSeq ORF:	2007 bp
Locus ID:	217119
Cytogenetics:	11 D
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]