

Product datasheet for **RN206864**

Xylt2 (NM_022296) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xylt2 (NM_022296) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Xylt2
Synonyms:	xylt-II
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206864 representing NM_022296
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCC

ATGGTGGCGAGCGCGGGTGCAGAAGCTGGTGGCGCTACAAGCTGGCGATCGCCACCGCGCTGGCCA
 TCCTGCTGCTGCAGGGCCTGGTGGTGTGGAGCTTCAGCGCCTGGAGGAGACGAGCCGGCGAGAAAGG
 AAGGCAGAGAAAGCCACGGCCGCTAGACCCTGGAGAGGTTCCAAGGACACGGACAGCTCTGCAGGGCGT
 AGGGCAGTGCTGGGAGAAGGCACGGACGGTGGCGGGCCGCGCCGAGAGCCAGGTGTGCTGTGGCCA
 AGGTGGTGCAGGAGTAACAGTCGGCAGAGAGCCAGCCGACGGGTGCCCTGCCACCTCCAGAGGC
 ACCAGGCCCCAGAACCTGAGTGGAGCAGCAGCCGGGAAGCACTGATAGGTGCCCGGCTTCCCACAA
 CATGGAGACACAGGGAGTGTGGAGGTGCCCTCAGCCACGGATAACAGCTTCACTCCGAAGTGTGAGA
 TTGTGGCAAGGATGCACTGTCAGCACTGGCCCGGCCAGCACCAGCATTGTCAACAAGAGATTGCTAA
 TGTAGTGTGCTGCACCAAGCTGGGAACCTAATGCCAAGTCTGTGCCCGGCACTGCCAGCTGGTGGC
 AAGGTGAGCCCTGGCATCCAGTGGGAAGAGGTCCGGGCCAGCAGCCTGTGAGTGGCCCTCTGTTACGCA
 TCGCTACATGCTGGTGGTTACGGCCGTGCTGTGCGCCAGCTGAAGCGTCTTCTGAAGGCCGTCTACCA
 CGAGGAGCACTTCTTTATATTCATGTGGACAAGCGTTCCAACCTACCTGTACCGGGAGGTGGTAGAGCTG
 GCCCAGCACTACGACAATGTACGGGTAACACCTTGGCGCATGGTCAACCTCTGGGGTGGGCTAGCCTTC
 TGAGGATGTACCTGCGGAGCATGAAGGACCTTCTGGAGATTCTGGTGGACCTGGGACTTCTTCACTAA
 CCTGAGCGCTACTGACTATCCAACAGGACGAATGAGGAGCTGGTAGCGTCTTATCCAAGAACCGGGAC
 AAGAATTTCTCAAGTCACACGGGCGAGACAATCCAGGTTCAACAAGAAGCAAGGCCTGGACCGCTTT
 TCCATGAGTGTGATCCACATGTGGCGCCTGGTGAACGGCAGATCCCGCAGGCATCGTGGTGGATGG
 TGGCTCTGACTGGTTCGTGCTGACACGCAGCTTTGTGGAATATGTGGTGTATACAGAGGATCCTCTGGTG
 GCCCAGCTTCGCCAGTTCTATACATACACATTGCTCCAGCCGAGTCTTCTTCCACACAGTGTGGAGA
 ACAGCCCAGCCTGTGAGAGCCTAGTGGACAACAACCTGCGGGTTACCAACTGGAACCGGAAGCTGGGCTG
 CAAGTGCCAGTACAAGCACATCGTGGACTGGTGTGGTGTCTCCCAACGACTTCAAGCCACAGGACTTC
 CTGCGGCTTCAGCAAGTCTCCAGACCCACCTTCTTGGCCGAAGTTGAGTCGACTGTGAACAGGAAG
 TCCTGGAATTTGGACTTCCACCTGTATGGCAGTACCCACCGCCAGCCCAAGGCCTACTG
 GGAGAACATCTACGACATGGCCGATGGCCCTAGTGGACTCAGCGATGTCCTACTACTGCTTACACAGCC
 TTTGCCGATATCAGTCTGCGTCATGCTGCCACTGTTCCCACTGGCCACTGCAGTCTGCAGTTTGGAGC
 CCAGGGGTTGCCGTCCAGCGTGCACCTGTATTCTATGACGACATTTCCAGGGCTACCTGGTGCAGCA
 GGCAGTGCAGCCCTCAGCCAGGGGCCAGCAGAGACACTTGAGATGTGGCTGATGCCCCAGAGGTTGCTG
 AAGCTGTTGGGGCACAGTGACCAGGCCAGCCGGCTCCAGAGTCTGGAGGTTGGCACTGAGTGGACCCCA
 AAGAAGCTCTTCCGGAACCTTGGGGGCTGTTGGGACCACTGGATGAACCTGTGGCATGCAGCGCTG
 GGCCCGGGGCCCCAACCTCACAGCCACTGTGGTCTGGATTGACCCACCTATGTTGTGGCCACATCCTAT
 GACATCACGGTAGATGCGGACACTGAAGTACGCAGTACAAGCCCCACTGAGCCTGCCACTGCGGCCAG
 GAGCCTGGACTGTTGATTGCTTCACTTCTGGAGCCCCGGGTGAGACCCGCTTCTCGTGTGCCATT
 GACTTCAACCGCAAACCTACCTCTCAGGAAAGATGATGCCAGCTGGCTGCATGCGGGACCCCAACAAC
 GAATACATGGAACAGAGTTCCAGGGACTAAGTGGCATCCTGAATCTGCCTCAGCCAGAGGCGTGGAGG
 AGGCTGCCCGGGCCACACAGAGCTCACAGGCTCCTGCACTTGGAGCCTGGACAGATGGGGAAGTGCAG
 TTTCTGCTGTTGCAGGATTGTGTGCCATAGGGCCTTCTTGTCCCTCCCTGGAGCTCTGCAGACTG
 ACCAGCTGGAGCTCTCTGCTCCTGACCCCAAGTCAGAGCTGGGGCCTGTCAAAGCTGACGGACGACTCA
 GGTAG

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_022296

Insert Size:	2595 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:	NM_022296.2 , NP_071632.2
RefSeq Size:	3375 bp
RefSeq ORF:	2595 bp
Locus ID:	64134
Cytogenetics:	10q26
Gene Summary:	isoform of the xylosyltransferase enzyme that catalyzes the transfer of xylose to proteoglycan core protein in glycosaminoglycan biosynthesis [RGD, Feb 2006]