

Product datasheet for **MC227008**

Xylb (NM_001199568) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Xylb (NM_001199568) Mouse Untagged Clone
Tag: Tag Free
Symbol: Xylb
Synonyms: A1132223; A1327421
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227008 representing NM_001199568
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCTGTTGCAGATCCAGGAAAAAGTCTGGTCCCAGGCTTGTCTGGATGTCTGTGCTCCCCATTGG
 AGGAGAAGCTGGGCTCACCGTCCCTTCTGTTAGTTGTGGGAACCATTTCTTCTACTACGTCCAGCG
 CTATGGATTCCCTCCAGGATGCAAAGTGGTGGCCTTCACTGGGGACAACCCAGCGTCACTGGCCGGCATG
 AGGCTGGAGGAAGGAGATATTGCGGTCAAGCTGGGACCAAGCAGACACCCTGTTTCTCTGGCTCCAGAAGC
 CCATGCCTGCCTTGAAGGCCACATCTTCTGCAACCCAGTGGATCCGCAGCATTACATGGCGCTTCTATG
 CTTTAAAAACGGCTCCCTCATGAGAGAGAAGATCCGAGATGAGTCGGCCTCCTGTTCTGGAACAAGTTC
 TCTAAGGCCCTGAAGTCCACGGCGATGGGGAACAACGGAAACTTGGGTTTTATTTTCGATGTAATGGAGA
 TCACCCCTGAAATTATTGGGCGTCATAGGTTTAAATGCGGAAAACATGGAGGTTTCAGCATTCCCTGGGGA
 TGTGGAGATCCGAGCACTGATTGAAGGACAATTCATGGCCAAGAGGATTCATGCAGAAGGCCTAGGCTAC
 AGAGTCATGCCAAGACAAGATTCTGGCCACGGGAGGAGCATCTACAATAAAGACATCTTGCAGGTGC
 TTGCAGATGTTTTGGGCCCCGTATACGTCATAGACACCAGTTCAGCCTGGCTCGGCTCCGCATA
 CCGAGCTTTTCATGGCCTTGCAGGAGGACAGGTGGCCTTTTCGGAGGTTGTGAAATCAGCACCTCAG
 CCCAGCCTGGCTGCCACCCCAACCCAGGAGCTTCCCAGGTCTATGCGGCCCTTCTCCCTCGATACTCTG
 CACTGGAACAGAGAATCTGTCCACCGCCAGAGGCTCTGGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001199568
Insert Size: 957 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001199568.1 , NP_001186497.1
RefSeq Size:	3908 bp
RefSeq ORF:	957 bp
Locus ID:	102448
UniProt ID:	Q3TNA1
Cytogenetics:	9 F3
Gene Summary:	<p>Phosphorylates D-xylulose to produce D-xylulose 5-phosphate, a molecule that may play an important role in the regulation of glucose metabolism and lipogenesis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has multiple differences, one of which results in the use of a downstream start codon, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p>