

Product datasheet for **MC218863**

Xylb (NM_001033209) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Xylb (NM_001033209) 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 |



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Fully Sequenced ORF: >MC218863 representing NM_001033209
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGCACGGACGCACAGACGGCGGGGAAACCCCAAGGCCCTGGCGGAGCGCGGGGGCCCGCT
 GTTGCCCTGGGCTGGGACTTCAGCACGCAGCAGGTTAAAGTTGTTGCTGTTGATGCAGAGTTGAACGTCTT
 CTATGAGGACAGCGTGCATTTTGACAGAGACCTTCGGAATTTGAACTCAGGGCGGTGCCATGTACAC
 AAGGACAGGCTGACGGTCACTCTCCGGTCTGATGTGGGTCCAGGCTCTGGACCTGATCTGGGAAGA
 TGAAGTCTTGGCTTTGACTTCTCTCAAGTTCTAGCCTTATCTGGAGCAGGCCAGCAACACGGAAGTGT
 TTAAGGAACTGGAGCCAGCTGGCCCTGTCAAGCTTGTACCAGCTTCCATTACATCAGCAGCTG
 CAGAGCTGCTTCCATCAGCGACTGCCAATATGGATGGACTCCAGTACCACAGCCAGTCCACCAGC
 TGGAGGCTGCCGTGGGTGGGCCCAGGCTCTCAGCTGCCTCACAGGATCCCGGCCCTATGAGCGTTTAC
 GGGGAACCAGATAGCGAAGCTTTCCAGAAGAACCCTGAGGCCTACTCACACTCTGAGAGAATTTCTTG
 GCAGCAGCTTTGCTGCCTCGCTGTTCCCTGGGTGGTACTCGCCATCGACTACAGTGTGGTCCGGAA
 TGAATCTGTTGCAGATCCAGGAAAAAGTCTGGTCCCAGGCTTGTCTGGATGTCTGTGCTCCCAATTTGGA
 GGAGAAGCTGGGCTCACCGGTCCCTTCCCTGTTGAGTTGTGGGAACCAATTTCTTCTACTACGTCCAGCGC
 TATGGATCCCTCCAGGATGCAAAGTGGTGGCCTTCAAGTGGGACAACCCAGCGTCACTGGCCGGCATGA
 GGCTGGAGGAAGGAGATATTGCGGTGAGCTGGGACCAGCGACACCCTGTTTCTCTGGCTCCAGAAGCC
 CATGCCTGCCTTGAAGGCCACATCTTCTGCAACCCAGTGGATCCGCAGCATTACATGGCGCTTCTATGC
 TTTAAAAACGGCTCCCTCATGAGAGAGAAGATCCGAGATGAGTCCGGCTCCTGTTCTGGAACAAGTCT
 CTAAAGCCCTGAAGTCCACGGCGATGGGAACAACGGAACTTGGGTTTTTATTTTCGATGTAATGGAGAT
 CACCCCTGAAATTTGGGCGTCATAGGTTTAAATGCGGAAAACATGGAGGTTTCAGCATTCCCTGGGGAT
 GTGGAGATCCGAGCACTGATTGAAGGACAATTCATGGCCAAGAGGATTCATGCAGAAGGCCATAGGCTACA
 GAGTCATGCCAAGACAAAGATTCTGGCCACGGGAGGAGCATCTCACAATAAAGACATCTTGAGGTGCT
 TGCAGATGTTTTTGGGGCCCCGTATACGTCATAGACACCAGTTCAGCCTGCGTCCGCATAC
 CGAGCTTTTCATGGCCTTGACAGGAGGACAGGTGTGGCCTTTTCGGAGGTTGTGAAATCAGCACCTCAGC
 CCAGCTGGTGCACCCCCAACCCAGGAGCTTCCAGGTCTATGCGGCCCTTCCCTCGATACTCTGC
 ACTGGAACAGAGAATCTGTCCACCGCCCAGAGGCTCTGGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001033209

Insert Size: 1656 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:

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_001033209.3](#), [NP_001028381.1](#)

RefSeq Size: 3860 bp

RefSeq ORF: 1656 bp

Locus ID: 102448

UniProt ID: [Q3TNA1](#)

Cytogenetics: 9 F3

Gene Summary: 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]

Transcript Variant: This variant (1) encodes the longer protein (isoform 1).