

## Product datasheet for **MC224633**

### Asxl1 (NM\_001039939) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asxl1 (NM_001039939) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asxl1
Synonyms:	mKIAA0978
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224633 representing NM_001039939 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGGACAAACAGAAGAGGAAGAAGGAGCGCACGTGGGCCGAGGCCGCGCCTGGTGTAGAAA  
ACTCAGATGCTCCAATGACACCAAAACAGATTCTGCAGGTCATAGAGGCAGAAGGACTGAAGGAAATGAG  
AAGTGGGACATCCCCTCTTGGCTGCCTCAATGCCATGCTACATTCAACTCAAGAGGAGGAGAAGGGCTG  
TTTTATAAATTACCTGGCCGATTAGTCTTTTCACACTCAAGAAAGATGCAGTGCAGTGGTCTAGAAATG  
CAGCTACAGTGGATGGAGACGAGCCAGAGGACTCCGCTGATGTGAAAGCTGTGGTCTAATGAAGCCAG  
CACTGTGAGTGGTGAAAATGATGTATCTCTGGATGAAACATCTTCAAATGCATCCTGCTCTACAGAGTCT  
CAGAGCCGACCCCTCTCCAATCCCAGGGACAGCCACAGGGCTTCCTCACAGGCAAACAAACAGAAGAAA  
GGACTGGGGTTATGCTACCTCGTGTGTCTGACTCCTCTGAAGGTAAACGGGGCCACGTGGAACCTGC  
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GCCTTGGGCAACAGTGCATTTCGAGGCCAGGCCGAGGTCACTCGGGACCTGCCCCCTCTTAAGAGGCT  
TCCGGAAGCCAGCCACAGGGCAAATGAAGCGCAACAGAGGGGAAGAGGTAGATTTTGAGACGCCTGGGT  
CATTCTTGTTAACACCAACCTCCGTGCTCTGATAAACTCTCGACCTCCATGCCCTGCCACTACACTTC  
CAGCAGCAACTCCTCCTCCTGCCTGAAGTGGACAGACAGGTGGGACAGATGGCCTGCTGCCCTCA  
CGGCAGTGCCTCAATAATGAGTTTTTCACCCATGCAGCTCAGAGCTGGCGAGAACGCCTTGCTGATGG  
TGAAATCACTCATGAGATGCAAGTCAGGCTAAGACAGGAAATGGAAAAGGAGAAGAGGTGGAACATGG  
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AAGAGGTCCAGGAGGAGGCCAAAGTCAAGAGTGGTTTATGTGTCTCTGGAGAGTCTGTGCGGCCGACGG  
TGGGCCAACACCCGTCAACGGGACGGACATTTAAGAAACGTTCTCGGCCAGATCTCCGAACCAGATCC  
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ACGTCTCACTCTAAAGATACTAAAACCGACTTAGCAGGGGTGAACAGTACCCCTGGGCCAGATGTGTC  
CTCAGCAACATCTGGACAGGAGGTCCCAAGTGTCCAGTGAACCTGTGGCTTCCAGATCCAAGCAGAA



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AGGGACAACCTGGCATGTGCCTCTGCATCTCCAGACAGAATCCCTACCTACCTCAGGACACTGTGGATC  
AAGAGACAAAGGATCAGAAGAGAAAATCCTTTGAGCAGGAAGCCTCTGCATCCTTTCCCGAAAAGAAACC  
CCGGCTTGAAGATCGTCAGTCCCTTCGTAACACAATTGAAAGTGTTCACACCGAAAAGCCACAGCCCACT  
AAAGAGGAGCCCAAAGTCCCGCCATCCGGATCAACTTTCACGTATCAAACCACCTGGGTGGCTAAAG  
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CCAGGCCCTTGTATAATATGAAGGAGCCTGTAAGTATGACACCTACTTTTATATCTGAATTGTCATTAGCT  
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GAAAAGAGTGGGAGAGAGCTGTTCTCTCATTGCAGCAACAGAAAGTGTGCCCAACCTGAGAGCTGCA  
TTTCACATTGGACACCTCCTCCAGCAGCTGTGGCAGCACTGGCAGTGACAGTGAAGTGGACCTTGA  
AAGACTGGAAATGAATGGCATCTCTGAGCACCAGTCCACAGTGAATCCACAGATACAGCCTCTGAC  
TCCGAAGGCCATCTCTGAGGACAGCAGTGTGGTGTGCAAGTGAAGTCAAGTGGTAAAAGGGTCA  
TAGTGGGGATGAAAAGCAAGACTGGGACCCATCGCTCACTGTCCAAGGTGAACAATGACCTAAGTGT  
GCTTACAAGGACAGGAGGGTGGCTGCTTCTCAGAGCTGGGTGTCTAGAGTATGTTCACTCCACACAAG  
ATCCCAGACTCTCTGTTGCTGTCCAGTACTGAGTGCCAGCCGAGGTCTGTGTGCCCACTGAGGCCTGGCT  
CTTCAGTGGAGGTTACCAACCCACTTGTGATGCACCTGTGCATGGTAATTTGCCCTTGGAGAAGGTTCT  
TCCTCCAGGTCACAGAAGCAGCCGACTAGAGTCATCACAGCTGCCACTTAGAGAACAGAGCCAGGATAGA  
GGCACTCTACAAGGTACAGGGGAAAACAATCGCCTAGCTGCCAGAATCAACCCTGGTTCTGCACAAAAT  
TGAAAGAGTCTATTCTGGCCAGAGCTATGGAGCAAGTGTGGTCTTGTGAGGGCAATGGCTCCAAGGC  
TCCTGCAATGTCCAGAAGATTGCGAAGATGGTACAAGTTAGACTCACAGCATCCAGAGACAGAAGT  
ACACCTTCTCTGCAATCTGGAAGAAATAGATCCAAAGAGCATCTCTCTTCTTCTTGTGAAGAGC  
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CACTACCTCCAAAGTGCCATGTTTCTCCTCCACAATGTGAGCCTCTCCTTTGGATCTGAGCAGACAGAT  
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TAGGAAGATAGAACCAAGCAAAAATCTGTGTCTGGTGGTGTGCAAACTACAAGGGAAAACAGGATGCC  
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TGTTGGGATCTGCCTTTCTGGAAGTTACCCAGAGAGCCAGGGAAAAGGGTTCAGTCAACCCCTGGAGCCT  
TCTTCCATCCCTTCCCAACTCAACATCAAGCAGGCTTGTATGGGAAGTGTCTAACTCAGCTCAGTC  
CCACCAGCTTTAATTACTCTAGCTCTGCTACCTTTCCAAAGGCCTTGTGGTGGTGTGGTGCAGCT  
GAGCCACAAAGCCAGCTTTGGTACAGGCCACACTGCATCACTGTCTTACAAATGTTGCTGACAGCAGT  
GCAGTAGAAAGCATCTCTCTCAATGTGCATGCAGCCTGAAAGCCATGATCATGTCCAAGGCTGCGGAG  
CATTCTGCCATGATGACTGCATTGGACCTTCAAAGCTCTGTGATTGTGCCTTGTGGTGGATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001039939  
**Insert Size:** 4545 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001039939.1</a> , <a href="#">NP_001035028.1</a>
<b>RefSeq Size:</b>	6674 bp
<b>RefSeq ORF:</b>	4545 bp
<b>Locus ID:</b>	228790
<b>UniProt ID:</b>	<a href="#">P59598</a>
<b>Cytogenetics:</b>	2 H1
<b>Gene Summary:</b>	Probable Polycomb group (PcG) protein involved in transcriptional regulation mediated by ligand-bound retinoic acid receptors (RARs) and peroxisome proliferator-activated receptor gamma (PPARG). Acts as a coactivator of RARA and RXRA through association with NCOA1. Acts as a corepressor for PPARG and suppresses its adipocyte differentiation-inducing activity. Non-catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). [UniProtKB/Swiss-Prot Function]