OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC309230

ASXL1 (NM_015338) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASXL1 (NM_015338) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASXL1
Synonyms:	BOPS; MDS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Neo
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_015338 edited
CGTCGGTCCTGTCTCAGTCCCTCAGCAGAGCGGGAAAGCGGAGGCCGGAGCCGTGACCTC
TGACCCCGTGGTTATGCGGAGCCGCCGCATTCCTTAGCGATCGCGGGGCAGCCGCCGCTG
CCGCCGTGGGCGACTGACGCAGCGCGGGCGCGTGGAGCCGCCGCCGCCCCTCCCCCACCG
CCGCCGGGGAGAAGGATGAAGGACAAACAGAAGAAGAAGAAGGAGCGCACGTGGGCCGAG
GCCGCGCGCCTGGTATTAGAAAACTACTCGGATGCTCCAATGACACCAAAACAGATTCTG
CAGGTCATAGAGGCAGAAGGACTAAAGGAAATGAGAAGTGGGACTTCCCCTCTCGCATGC
CTCAATGCTATGCTACATTCCAATTCAAGAGGAGGAGAGGGGTTGTTTTATAAACTGCCT
GGCCGAATCAGCCTTTTCACGCTCAAGAAGGATGCCCTGCAGTGGTCTCGCCATCCAGCT
ACAGTGGAGGGAGAGGAGCCAGAGGACACGGCTGATGTGGAGAGCTGTGGGTCTAATGAA
GCCAGCACTGTGAGTGGTGAAAACGATGTATCTCTTGATGAAACATCTTCGAACGCATCC
TGTTCTACAGAATCTCAGAGTCGACCTCTTTCCAATCCCAGGGACAGCTACAGAGCTTCC
TCACAGGCGAACAAACAAAAGAAAAAGACTGGGGTGATGCTGCCTCGAGTTGTCCTGACT
CCTCTGAAGGTAAACGGGGCCCACGTGGAATCTGCATCAGGGTTCTCGGGCTGCCACGCC
GATGGCGAGAGCGGCAGCCCGTCCAGCAGCAGCAGCGGCTCTCTGGCCCTGGGCAGCGCT
GCTATTCGTGGCCAGGCCGAGGTCACCCAGGACCCTGCCCCGCTCCTGAGAGGCTTCCGG
AAGCCAGCCACAGGTCAAATGAAGCGCAACAGAGGGGAAGAAATAGATTTTGAGACACCT
GGGTCCATTCTTGTCAACACCAACCTCCGTGCCCTGATCAACTCTCGGACCTTCCATGCC
TTACCATCACACTTCCAGCAGCAGCTCCTCTTCCTCCTGCCTGAAGTAGACAGACAGGTG
GGGACGGATGGCCTGTTGCGTCTCAGCAGCAGTGCACTAAATAACGAGTTTTTTACCCAT
GCGGCTCAGAGCTGGCGGGAGCGCCTGGCTGATGGTGAATTTACTCATGAGATGCAAGTC
AGGATACGACAGGAAATGGAGAAGGAAAAGAAGGTGGAACAATGGAAAGAAAAGTTCTTT
GAAGACTACTATGGACAGAAGCTGGGTTTGACCAAAGAAGAGTCATTGCAGCAGAACGTG
GGCCAGGAGGAGGCTGAAATCAAAAGTGGCTTGTGTGTCCCAGGAGAATCAGTGCGTATA
CAGCGTGGTCCAGCCACCCGACAGCGAGATGGGCATTTTAAGAAACGCTCTCGGCCAGAT
CTCCGAACCAGAGCCAGAAGGAATCTGTACAAAAAACAGGAGTCAGAACAAGCAGGGGTT
GCTAAGGATGCAAAATCTGTGGCCTCAGATGTTCCCCTCTACAAGGATGGGGAGGCTAAG

View online »

ACTGACCCAGCAGGGCTGAGCAGTCCCCATCTGCCAGGCACATCCTCTGCAGCACCCGAC
CTGGAGGGTCCCGAATTCCCAGTTGAGTCTGTGGCTTCTCGGATCCAGGCTGAGCCAGAC
AACTTGGCACGTGCCTCTGCATCTCCAGACAGAATTCCTAGCCTGCCTCAGGAAACTGTG
GATCAGGAACCCAAGGATCAGAAGAGGAAATCCTTTGAGCAGGCGGCCTCTGCATCCTTT
CCCGAAAAGAAGCCCCGGCTTGAAGATCGTCAGTCCTTTCGTAACACAATTGAAAGTGTT
CACACCGAAAAGCCACAGCCCACTAAAGAGGAGCCCAAAGTCCCGCCCATCCGGATTCAA
CTTTCACGTATCAAACCACCCTGGGTGGTTAAAGGTCAGCCCACTTACCAGATATGCCCC
CGGATCATCCCCACCACGGAGTCCTCCTGCCGGGGTTGGACTGGCGCCAGGACCCTCGCA
GACATTAAAGCCCGTGCTCTGCAGGTCCGAGGGGCGAGAGGTCACCACTGCCATAGAGAG
GCGGCCACCACTGCCATCGGAGGGGGGGGTGGCCCGGGTGGAGGTGGCGGCGGGGCCACC
GATGAGGGAGGTGGCAGAGGCAGCAGCAGTGGTGATGGTGGTGAGGCCTGTGGCCACCCT
GAGCCCAGGGGAGGCCCGAGCACCCCTGGAAAGTGTACGTCAGATCTACAGCGAACACAA
CTACTGCCGCCTTATCCTCTAAATGGGGAGCATACCCAGGCCGGAACTGCCATGTCCAGA
GCTAGGAGAGAGGACCTGCCTTCTCTGAGAAAGGAGGAAAGCTGCCTACTACAGAGGGCT
ACAGTTGGACTCACAGATGGGCTAGGAGATGCCTCCCAACTCCCCGTTGCTCCCACTGGG
GACCAGCCATGCCAGGCCTTGCCCCTACTGTCCTCCCAAACCTCAGTAGCTGAGAGATTA
GTGGAGCAGCCTCAGTTGCATCCGGATGTTAGAACTGAATGTGAGTCTGGCACCACTTCC
TGGGAAAGTGATGATGAGGAGCAAGGACCCACCGTTCCTGCAGACAATGGTCCCATTCCG
TCTCTAGTGGGAGATGATACATTAGAGAAAGGAACTGGCCAAGCTCTTGACAGTCATCCC
ACTATGAAGGATCCTGTAAATGTGACCCCCAGTTCCACACCTGAATCCTCACCGACTGAT
TGCCTGCAGAACAGAGCATTTGATGACGAATTAGGGCTTGGTGGCTCATGCCCTCCTATG
AGGGAAAGTGATACTAGACAAGAAAACTTGAAAACCAAGGCTCTCGTTTCTAACAGTTCT
TTGCATTGGATACCCATCCCATCGAATGATGAGGTAGTGAAACAGCCCAAACCAGAATCC
AGAGAACACATACCATCTGTTGAGCCCCAGGTTGGAGAGGAGTGGGAGAAAGCTGCTCCC
ACCCCTCCTGCATTGCCTGGGGATTTGACAGCTGAGGAGGGTCTAGATCCTCTTGACAGC
CTTACTTCACTCTGGACTGTGCCATCTCGAGGAGGCAGTGACAGCAATGGCAGTTACTGT
CAACAGGTGGACATTGAAAAGCTGAAAATCAACGGAGACTCTGAAGCACTGAGTCCTCAC
GGTGAGTCCACGGATACAGCCTCTGACTTTGAAGGTCACCTCACGGAGGACAGCAGTGAG
GCTGACACTAGAGAAGCTGCAGTGACAAAGGGATCTTCGGTGGACAAGGATGAGAAACCC
AATTGGAACCAATCTGCCCCACTGTCCAAGGTGAATGGTGACATGCGTCTGGTTACAAGG
ACAGATGGGATGGTTGCTCCTCAGAGCTGGGTGTCTCGAGTATGTGCGGTCCGCCAAAAG
ATCCCAGATTCCCTACTGCTGGCCAGTACTGAGTACCAGCCAAGAGCCGTGTGCCTGTCC
ATGCCTGGGTCCTCAGTGGAGGCCACTAACCCACTTGTGATGCAGTTGCTGCAGGGTAGC
TTGCCCCTAGAGAAGGTTCTTCCACCAGCCCACGATGACAGCATGTCAGAATCCCCACAA
GTACCACTTACAAAAGACCAGAGCCATGGCTCGCTACGCATGGGATCTTTACATGGTCTT
GGAAAAAACAGTGGCATGGTTGATGGAAGCAGCCCCAGTTCTTTAAGGGCTTTGAAGGAG
CCTCTTCTGCCAGATAGCTGTGAAACAGGCACTGGTCTTGCCAGGATTGAGGCCACCCAG
GCTCCTGGAGCACCCCAAAAGAATTGCAAGGCAGTCCCAAGTTTTGACTCCCTCCATCCA
GTGACAAATCCCATTACATCCTCTAGGAAACTGGAAGAAATGGATTCCAAAGAGCAGTTC
TCTTCCTTTAGTTGTGAAGATCAGAAGGAAGTCCGTGCTATGTCACAGGACAGTAATTCA
AATGCTGCTCCAGGAAAGAGCCCAGGAGATCTTACTACCTCGAGAACACCTCGTTTCTCA
TCTCCAAATGTGATCTCCTTTGGTCCAGAGCAGACAGGTCGGGCCCTGGGTGATCAGAGC
AATGTTACAGGCCAAGGGAAGAAGCTTTTTGGCTCTGGGAATGTGGCTGCAACCCTTCAG
CGCCCCAGGCCTGCGGACCCGATGCCTCTTCCTGCTGAGATCCCTCCAGTTTTTCCCAGT
GGGAAGTTGGGACCAAGCACAAACTCCATGTCTGGTGGGGTACAGACTCCAAGGGAAGAC
TGGGCTCCAAAGCCACATGCCTTTGTTGGCAGCGTCAAGAATGAGAAGACTTTTGTGGGG
GGTCCTCTTAAGGCAAATGCCGAGAACAGGAAAGCTACTGGGCATAGTCCCCTGGAACTG
GTGGGTCACTTGGAAGGGATGCCCTTTGTCATGGACTTGCCCTTCTGGAAATTACCCCGA
GAGCCAGGGAAGGGGCTCAGTGAGCCTCTGGAGCCTTCTTCTCTCCCCTCCCAACTCAGC
ATCAAGCAGGCATTTTATGGGAAGCTTTCTAAACTCCAACTGAGTTCCACCAGCTTTAAT
TATTCCTCTAGCTCTCCCACCTTTCCCAAAGGCCTTGCTGGAAGTGTGGTGCAGCTGAGC
CACAAAGCAAACTTTGGTGCGAGCCACAGTGCATCACTTTCCTTGCAAATGTTCACTGAC

AGCAGCACGGTGGAAAGCATCTCGCTCCAGTGTGCGTGCAGCCTGAAAGCCATGATCATG
TGCCAAGGCTGCGGTGCGTTCTGTCACGATGACTGTATTGGACCCTCAAAGCTCTGTGTA
TTGTGCCTTGTGGTGAGATAATAAATTATGGCCATGGGAAACATTGTATATTTAGTGTGT
GTATTTTGATAATGATTGATCTTAAATCTGTATACAGAATATCATTGATATAATACTCTT
TAGGCAGGAGCACTCTTGCCTTCCCCCAAAATTTACACTGCTAAAGCCCTCTGTCACTTG
GCGACCCTTCTGGTCTTGCTGGAGGGGTTTCCTGGGTATAACCCATTGGGCTGCCCAAGG
CCAGCCAGCCTGAGCTCTCCTGCAAGACAGAGCCTGATGTGGCACGGAGTGGGGTTGCGG
GGGGTGGGGGGACTGCCTGACTCCCAGAGGGACTTGAAACTGAAGCAAGAAGGTTGCATT
CTCCACCAAGGGAGTTAACCTACCTGAACTAAGTAGAAATGCCAGTCTTCCACTACCCCC
TCCCTGCCATCTTTTCTTCTGCTACTTTGGGGAGTTGATGGCCAGGAAAGAAGCCAGCAC
AGGGTTAAAGTAACTCCTGGCATTGCCCACCAGGGGGCTGGTGCACCTGCTGACCTCAGG
GTCACAGTTGAGTCATTTGCCAGTTGACGGAGCA

Restriction Sites: Please inquire

ACCN: NM_015338

Insert Size: 5400 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_015338.3.

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_015338.3, NP_056153.2

RefSeq Size: 7026 bp

RefSeq ORF: 4626 bp

Locus ID: 171023

UniProt ID:	Q8IXJ9
Cytogenetics:	20q11.21
Gene Summary:	This gene is similar to the Drosophila additional sex combs gene, which encodes a chromatin-binding protein required for normal determination of segment identity in the developing embryo. The protein is a member of the Polycomb group of proteins, which are necessary for the maintenance of stable repression of homeotic and other loci. The protein is thought to disrupt chromatin in localized areas, enhancing transcription of certain genes while repressing the transcription of other genes. The protein encoded by this gene functions as a ligand-dependent co-activator for retinoic acid receptor in cooperation with nuclear receptor coactivator 1. Mutations in this gene are associated with myelodysplastic syndromes and chronic myelomonocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).