

Product datasheet for **MC200805**

Ash2l (NM_011791) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ash2l (NM_011791) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ash2l
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC012957 sequence for NM_011791
 CCACGCGTCCGGCAGCGATGGCGGCGGCTGGAGCGGGTCTGGTCCGGGAGTCCAGCGCCGGCCCTGGTCC
 CGGAGCCGCTGCAAGTGCCACAACGGCGGAGGACCGAGAGACAGAGCCGGTGGCCGCGGGGGCTGGCGAG
 GGGCCGTAGCCGCCCGGGAGCGGAGCCAGCTCCGGAGAGGCCGAAAGTGGGGATGCAAACTTGGTTG
 ATGTAAGTGGTCTGGAGACAGAATCTTCTAATGGAAAAGATACTTTGGAAGGTACCGGAGACACTTCAGA
 AGTGTGGATACCCAGGCGGGCTCTGTGGATGAGGAGAATGGCGGCAGTTGGGAGAAGTGGAGTTGCAG
 TGTGGGATGTACAAAATGGTTCACCGCTGACACCTTTGGAATAGACACGTCGTCATGTCTGCCTTTTA
 TGACCAACTACAGCTTCCATTGCAATGTGTGCCATCACAGTGGGAATACCTACTTTCTCCGGAAGCAAGC
 AAATTTAAAAGAAATGTGCCTTAGTGCCTTGGCGAATTTGACGTGGCAGTCTCGAACACAGGATGAACAT
 CCAAAAACCATGTTCTCCAAAGATAAGGATATTATACCATTTATTGATAAATACTGGAAATGTATGACAA
 CCAGACAGAGACCTGGAAAAATGACTTGGCCCAATAACATTGTCAAAAACAATGAGTAAGGAAAGAGATGT
 GTTCTTGGTAAAGGAACACCCTGACCCAGGAAGCAAAGACCCAGAAGAAGATTACCCCAAGTTTGGACTT
 TTGGATCAGGATCTTAGTAATATTGGTCTGCTTATGACAACCAGAAAACAAGCAGTGTGTGTCTGCTA
 GTGGGAACCTAAATGGGGGATCGCAGCCGGAAGCAGTGGGAAAGGAAGAGGAGCCAAGCGTAAGCAGCA
 AGATGGAGGGACAACAGGGACCACCAAGAAGGCCAGAAGTGATCCTTTATTTTCTGCTCAGCGTCTCCCT
 CCTCATGGCTATCCTTTGGAACATCCATTTAACAAAGATGGCTATCGGTATATTCTTGTCTGAGCCCGATC
 CTCATGCCCCGACCCGGAAGCTTGAACCTGACTGCTGGGCGGAAAGCCTATTCTCGGAGACCTTTA
 CAGAGCCTGCTTATGAACGAGTCTTGTAGCCCTACATGATCGAGCTCCCCAGTTAAAGATCTCTGAT
 GACCGGCTGACCGTGGTGGAGAGAAGGGCTACTCCATGGTCCGGGCCTCTCATGGGGTACGCAAAGGGG
 CCTGGTACTTTGAAATCACTGTGGATGAGATGCCCCAGACACTGCTGCCAGGCTGGGCTGGTCCAGCC
 CTTAGGTAACCTCCAAGCTCCCTTAGGCTATGATAAGTTTAGCTATTCTTGGCGGAGCAAGAAAGGCACC
 AAGTCCACCAGTCCATTGGCAAGCACTATTCGTCTGGCTACGGACAAGGGGACCTCTAGGTTCTATA
 TCAACCTTCCCGAAGACACAGAGACCAAGTCACTGCCGGACACCTACAAAGATAAGGCTTTGATAAAA
 GTTCAAGAGTTATTTGTATTTTGAAGAAAAGACTTTGTGGACAAGCAGAGAAGAGCCTAAAACAGACC
 CCCCATAGTGAGATAATATTTTATAAAAATGGTGTCAATCAGGGTGTGGCTTACAGAGATATTTTGAAG
 GAGTTTACTTCCAGCCATCTCACTGTACAAGAGCTGCACGGTTTCCATTAACCTTTGACCATCCTTCAA
 ATACCCTCAAAGGATCTCACGTACCACCCTATGAGTGACATGGGCTGGGGCGCTGTGGTAGAACACACA
 CTGGCTGATGTTTTGTATCACGTGGAGACAGAAGTGGACGGAAGACGTAGTCCACCCTGGGAACCTAAC
 CAGTCCTTGCTTCTGGTACACTGTAATAAATCCTGGGGTTTTGTTTTGTTTTATAAAGTGTCAA
 TGTTTTCAAGAGATGCTGCAGTACACTTTGATCAAGGTAAAAGGGTGGTGGGACTGCAGCAGTGCCTG
 CTCTTCAGCATCCCTGCCCCACACAACACTACTCTGAGTGCCATAAATCAGCCGCTCCCTGTAAGGCT
 GCTGCTGTGCCAGACCTGCCAGGGAGGACCTGTACTTTCTGTGTCTGTGTGTTCCAAAGAGCGAGTA
 ATCATGCTCAGACAGCTTGTGAGGATGTTGGATCCCCTGGTTTCTGGGGAGGCAAGCTTGTGTTGAGTG
 GCTGAAATCAATGGCATTCCATTCCAGAGCAGTCTAAAGGCAGTCTTTTGGTGTGGAGTTTGGGGATCA
 TCTGGGAAGCTAGTGGTCTATAAACTATAATTGTGAAAGGAATATGCCTACAGGGTTTAAAAGATAGA
 TCTTTCTCCAATAAAACTTGTTCAGCTTGTATGGTACTTGGCTTCACTGGAAGTGAAGTTCCTGTT
 GACCCTGTAGCAGTGTGAGCAGTGTGACGGGGACAACACTGGCAGGGTGGGACAGGCGCTTTTATTGCT
 GTCCTCCCAGGGTACCAGGCGCTTTCACTGCCCTGTGTACAGTGGACTCTCAGGGAGAGCAAGACTGTA
 GCAGGCTCCAGTCCGTGCTTGAACCTGGTGTGATATGTGGGCTTGTCTCTTGCCTGCCTTTCTA
 GTAGCCAGCCAGGGTTAGGATCAAGAATGATGAGGAGCCTGCCTTACGAGGATGCCTTAAAGACTCC
 GATTTTAAATACATAAGTCTGTGGCAAATGCAAAATCCTACACTGACCTAAAGACTTCCCTTTTTGTGT
 AGCCTTTTTGTTGTTGCTTTGTTTAACTTAAAGTACTAGTGATATAAAGTACTAACCAGGA
 GCTAGGTAGGATGCAGAATTATTTCTAAGTATTTTGTGTTTCTATTTAAGAAATTTCCCAAGCCGGCG
 TGGTGGCGCACGCTTTGGTCCCAGCACTTGGGAGGCAGAGGCAGATTTCTGAGTTTGGGCCAGCTGG
 TCTGCGGGTGTGTTCCAGGACAGCCAGGGCTACACGGAGAAACCCTGTCTCGAAAAACCAAAAAACAA
 CAACAACAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011791
Insert Size: 1872 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	BC012957 , AAH12957
RefSeq Size:	3102 bp
RefSeq ORF:	1872 bp
Locus ID:	23808
UniProt ID:	Q91X20
Cytogenetics:	8 A2
Gene Summary:	<p>Component of the Set1/Ash2 histone methyltransferase (HMT) complex, a complex that specifically methylates 'Lys-4' of histone H3, but not if the neighboring 'Lys-9' residue is already methylated. As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. May function as a transcriptional regulator. May play a role in hematopoiesis (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) lacks an alternate in-frame exon in the central coding region compared to variant 4 and encodes a shorter protein (isoform a) compared to isoform d.</p>