

Product datasheet for **SC317115**

ASH2L (NM_001105214) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ASH2L (NM_001105214) Human Untagged Clone
Tag: Tag Free
Symbol: ASH2L
Synonyms: ASH2; ASH2L1; ASH2L2; Bre2
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001105214, the custom clone sequence may differ by one or more nucleotides

```
ATGGATACTCAGCGGGCTCCGTGGATGAAGAGAATGGCCGACAGTTGGGTGAGGTAGAG
CTGCAATGTGGGATTTGTACAAAATGGTTCACGGCTGACACATTTGGCATAGATACCTCA
TCCTGTCTACCTTTCATGACCAACTACAGTTTTTCATTGCAACGTCTGCCATCACAGTGGG
AATACCTATTTCCCTCCGGAAGCAAGCAAACCTTGAAGGAAATGTGCCTTAGTGCTTTGGCC
AACCTGACATGGCAGTCCCGAACACAGGATGAACATCCGAAGACAATGTTCTCCAAAGAT
AAGGATATTATACATTTATTGATAAACTGGGAGTGCATGACAACCAGACAGAGACCT
GGGAAAATGACTTGGCCAAATAACATTGTTAAAACAATGAGTAAAGAAAGAGATGTATTC
TTGGTAAAGGAACACCCAGATCCAGGCAGTAAAGATCCAGAAGAAGATTACCCAAATTT
GGACTTTTGGATCAGGACCTTAGTAACATTGGTCTGCTTATGACAACCAAAAACAGAGC
AGTGCTGTGTCTACTAGTGGGAATTTAAATGGGGGAATTGCAGCAGGAAGCAGCGGAAAA
GGACGAGGAGCCAAGCGCAAACAGCAGGATGGAGGGACCACAGGGACCACCAAGAAGGCC
CGGAGTGACCCCTTTGTTTTCTGCTCAGCGCCTTCCCCCTCATGGCTACCCATTGGAACAC
CCGTTTAAACAAAGATGGCTATCGGTATATTCTAGCTGAGCCTGATCCGCACGCCCTGAC
CCCAGAAAGCTGGAACCTGACTGCTGGCAGGAAAACCTATTCTGGAGACCTCTACAGA
GCCTGCTTGTATGAACGGGTTTTGTTAGCCCTACATGATCGAGCTCCCCAGTTAAAGATC
TCAGATGACCGGCTGACTGTGGTTGGAGAGAAGGGCTACTCTATGGTGAGGGCCTCAT
GGAGTACGGAAAGGTGCCTGGTATTTTGAATCACTGTGGATGAGATGCCACCAGATACC
GCTGCCAGACTGGGTTGGTCCCAGCCCCTAGGAAACCTTCAAGCTCCTTTAGGTTATGAT
AAATTTAGCTATTCTTGGCGGAGCAAAAAGGGAACCAAGTTCCACCAGTCCATTGGCAAA
CACTACTCTTCTGGCTATGGACAGGGAGACGCTCCTGGGATTTTATTAATCTTCTGAA
GACACAGAGACAGCCAAGTCATTGCCAGACACATACAAAGATAAGGCTTTGATAAAATTC
AAGAGTTATTTGTATTTTGGAGAAAAAGACTTTTGGGATAAAGCAGAGAAGAGCCTGAAG
CAGACTCCCATAGTGAGATAATTTTTATAAAAATGGTGTCAATCAAGGTGTGGCTTAC
AAAGATATTTTTGAGGGGTTTACTTCCAGCCATCTCACTGTACAAGAGCTGCACGGTT
TCCATTAACCTTTGACCATGCTTCAAGTATCCTCCGAAGGATCTCACTTACCGCCCTATG
AGTGACATGGGCTGGGGCGCCGTGGTAGAGCACACCCTGGCTGACGCTTGTATCACGTG
GAGACAGAAGTGGATGGGAGGCGCAGTCCCCCATGGGAACCC
```

Restriction Sites: Please inquire



[View online »](#)

ACCN:	NM_001105214
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001105214.1</u> , <u>NP_001098684.1</u>
RefSeq Size:	2662 bp
RefSeq ORF:	1605 bp
Locus ID:	9070
UniProt ID:	<u>Q9UBL3</u>
Cytogenetics:	8p11.23
Protein Families:	Druggable Genome, Transcription Factors
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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream, in-frame start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>