

## Product datasheet for **SC308853**

### ASH1L (NM\_018489) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ASH1L (NM\_018489) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ASH1L  
**Synonyms:** ASH1; ASH1L1; KMT2H; MRD52  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_018489, the custom clone sequence may differ by one or more nucleotides

```
ATGGACCCTAGAAATACTGCTATGTTAGGATTGGGTTCTGATTCCGAAGTTTTTCAAGA
AAGAGTCCTTCTGCCATCAGTACTGGCACATTGGTCAGTAAGAGAGAAGTAGAGCTAGAA
AAAAACACAAAGGAGGAAGAGGACCTTCGCAAACGGAATCGAGAAAGAAACATCGAAGCT
GGGAAAGATGATGGTTTGACTGATGCACAGCAACAGTTTTTCAGTGAAAGAAACAACTTT
TCAGAGGGAAATTTAAAATTGAAAATTGGCCTCCAGGCTAAGAGAACTAAAAACCTCCA
AAGAACTTGGAGAATATGTATGTCGACCTGCCATAAAAACAACTATTAAGCACCCAAGG
AAAGCACTTAAAAGTGGAAAGATGACGGATGAAAAGAATGAACACTGTCCTTCAAACGA
GACCTTCAAAGTTGTACAAGAAAGCAGATGATGTTGCAGCCATTGAATGCCAGTCTGAA
GAAGTCATCCGTCTTCATTACAGGGGAGAAAACAATCCTTTGTCTAAGAAGCTGTCTCCA
GTACACTCAGAAATGGCAGATTATTAATGCAACGCCATCTACTCTTCTGGTAGCCGG
GATCCTGATTTAAAGGACAGAGCATTACTTAATGGAGGAACTAGTGTAACAGAAAAGTTG
GCACAGCTGATTGCTACCTGTCTCCTTCCAAGTCTTCCAAGACAAAACCGAAGAAGTTA
GGAAGTGGCACTACAGCAGGATTGGTTAGCAAGGATTTGATCAGGAAAGCAGGTGTTGGC
TCTGTAGCTGGAATAATACATAAGGACTTAATAAAAAAGCCAACCATCAGCACAGCAGTT
GGATTGGTAACATAAGATCCTGGGAAAAAGCCAGTGTAAATGCAGCAGTAGGATTGGTC
AATAAGGACTCTGTGAAAAAACTGGGAAGTGGCACTACAGCGGTATTCATTAATAAAAAAC
TTAGGCAAAAAGCCAGGAAGTATCACTACAGTAGGACTGCTAAGCAAAAGATTGAGAAAAG
AAGCTAGGAATTGGTATTGTTCCAGTTTTAGTGCATAAAGAGTCTGGCAAGAAGTTAGGA
CTTGGCACTGTGGTTGGACTGGTTAATAAAGATTTGGGAAAGAAATGGGTTCTACTGTT
GGCCTAGTGGCAAGGACTGTGCAAAAGAAGATTGTAGCAAGTTCAGCAATGGGATTGGTT
AATAAGGACATTGGAAAGAACTAATGAGTTGTCCTTTGGCAGGCTGATCAGTAAAGAT
GCCATAAACCTTAAAGCCGAAGCACTGCTCCCCACTCAGGAACCGCTTAAGGCTTCTTGT
AGTACAAAACATCAATAATCAGGAAAGTCAGGAACCTTTCTGAATCCCTGAAAGATAGTGCC
ACCAGCAAAACTTTTAAAAGAAATGTTGTACGGCAGAATAAAGAAAGCATATTGAAAAG
TTCTCAGTACGAAAAGAAATCATTAAATTTGGAGAAAGAAATGTTAATGAAGGAACATGC
ATTCAGCAAGACAGTTTCTCATCCAGTAAAAGGGATCTTATGAAACCTCAAAGCATGAA
AAGCAGCTCCTGTATATTGCACCTTCTCCGGACTTTAAAATGGGAGGTGCTTCTGATGTA
TCTACCGCTAAATCCCCATTCAGTGCAGTAGGAGAAAGCAATCTCCCTCCCCATCACCT
ACTGTATCTGTTAATCCTTTAACCAAGAAGTCCCCTGAAACTTCTTACAGTTGGCTCCT
```



[View online >](#)

AATCCATTACTTTTAAGTTCTACTACAGAACTAATCGAAGAAATTTCTGAATCTGTTGGA  
 AAGAACCAGTTTACTTCTGAAAGTACCCACTTGAACGTTGGTCATAGGTCAGTTGGTCAT  
 AGTATAAGTATTGAATGTAAAGGGATTGATAAAGAGGTAATGATTCAAAAACTACCCAT  
 ATAGATATTCCAAGAATAAGCTCTTCCCTTGGAAAAAGCCAAGTTTGACTTCTGAATCC  
 AGCATTCACTACTTACTCCTTCAGTTGTTAACTTCACTAGTTTATTTAGTAATAAGCCT  
 TTTTAAAACTGGGTGCAGTATCTGCATCAGACAACTGCAAGTTGCTGAAAGCCTA  
 AGTACTAGTTTGCAGTCCAAACCATTAATAAAAAAGAAAAGGAAGAAAACCTCGGTGGACT  
 AAAGTGGTGGCAAGAAGCACATGCCGGTCTCAAAGGGCTAGAATTAGAAAGATCAGAG  
 CTTTTTAAAAACGTTTTCATGTAGCTCACTATCAAATAGTAATTCTGAGCCAGCCAAGTTT  
 ATGAAAAACATTGGACCCCTTCATTTGTAGATCATGACTTCTTAAACGCCGATTGCCA  
 AAGTTGAGCAAATCCACAGCTCCATCTCTTGTCTCTTAGCTGATAGTAAAAACCATCT  
 CATAAGCTTTTTGCTACTCACAACATCTCTCCAGTATGTGTCTCTAGTGACCTTTTG  
 TCTGATTTTATAAGCCAAAAGAGGAAGGCCTAAATCTAAGGAGATGCCTCAACTGGAA  
 GGGCCACCTAAAAGGACTTTAAAAATCCCTGCTTCTAAAGTGTTTTCTTTACAGTCTAAG  
 GAAGAACAAGAACCCTCAATTTTACAGCCAGAAATGAAATCCCTTCTCAAACAAGGT  
 CTGTCTGTGTCTCTTTTCCAAAAAGAGAGGCAGGCCTAAGAGGCAAAATGAGGTCACCA  
 GTCAAGATGAAGCCACCTGTACTGTCACTGGCTCCATTTGTTGCCACTGAAAGTCCAAGC  
 AAGCTAGAATCTGAAAGTGACAACCATAGAAGTAGCAGTGATTTCTTTGAGAGCGAGGAT  
 CAACTTCAGGATCCAGATGACCTAGATGACAGTCAAGGCAAGTGTCTGTAGTATGAGT  
 GACCTTGAGATGGAACCAGATAAAAAATACCAAGAGAAAACAATGGACAATTAATGAAA  
 ACAATTCGCAAAAATAAATAAATGAAGACTTTAAAGAGAAAAGAACTGTTGAATCAG  
 ATTCCTTCAAGTCTGTAGAATCAAGTAATAAAGGGAAAGTGAATCCAACTCCATAAT  
 ACGGTATCAAGTCTTGTGCCACATTTGGCTCTAAATTTGGGCCAACAGATAAATGTCAGC  
 AAGAAAGGAACCATTTATATAGGAAAGAGAAGAGGTCGCAAAACAAAACTGTCTTAAAT  
 GGTATTCTTTCTGGTAGTCTACTAGCCTTGTCTTCTTGGCAACAGCTCAACAGGCA  
 GCTGGGTGAGCATTAGGACAGATTCTTCCCCATTACTGCCTTCTCTGTAGTAGTTCT  
 GAGATTCTCCATCACCTATTTGCTCTCAGTCTTCTGGGACTAGTGGAGGTCAGAGCCCT  
 GTAAGTAGTGATGCAGGTTTTGTTGAACCCAGTTCAGTGCATATTTGCATTTACTCTCC  
 AGACAGGGCAGTATGATTCAGACTCTTGAATGAAGAAGGCCTCAAAGGGGAGGAGGCGG  
 TTATCTCCTCCTACTTTGTTGCCAAATCTCCTTCGCACTTGAGTGAACCTCACATCTCTA  
 AAAGAAGTACTCCTTCCCAATCAGTGAGTCTCATAGTGATGAGACCATTCCCAGTGAT  
 AGTGGAATTGGAACAGATAATAACAGCACATCAGACAGGGCAGAGAAATTTGTGGGCAA  
 AAAAAGAGGAGGCATTCTTTGAGCATGTTTCTCTGATTTCCCTGAAACCTCTACAGTG  
 CTAAGCAGTCTTAAAGAAAAACATAAACACAAATGTAAGCGCAGGAATCATGATTACCTC  
 AGCTATGACAAGATGAAAAGGCAGAAACGAAAACGGAAAAAGAAATATCCCAGCTTCGA  
 AATAGACAGGATCCAGACTTTATTGCAGAGCTGGAGGAACATAAAGTCGCCTAAGTGAA  
 ATTCGGATCACTCATCGAAGTCATTTTTATCCCCGAGATCTTCTGCCAACTATCTTT  
 CGAATCAACTTTAATAGTTTCTATACACATCCTTCTTTCCCTTAGACCCTTTGCACTAC  
 ATTCGAAAACCTGACTTAAAAAAGAAAAGAGGGAGACCCCTAAGATGAGGGAGGCAATG  
 GCTGAAATGCCTTTTATGCACAGCCTTAGTTTTCTCTTCTAGTACTGGATTCTATCCA  
 TCTTATGGTATGCCTTACTCTCCTTACCCCTTACAGCTGCTCCCATAGGATTAGTTAC  
 TATGGAAGGTATCCTCCACTCTTATCCACCTCCTCCATCTCCTTCTTACCACGCCA  
 CTTCCACCTCCTTCTATATGCATGCTGGTCATTTACTTCTCAATCCTGCCAAATACCAT  
 AAGAAAAAGCATAAGCTACTTCGACAGGAGGCCTTTCTTACAACCAGCAGGACTCCCTC  
 CTTTCCATGAGTACCTACCCAGTGTCTCCTCCTGAGATGGCCTATGGTTGGATGGTTGAG  
 CACAAACACAGGCACCGTCACAAACACAGAGAACCCTTCTTGAACAACCCAGGTT  
 TCTATGGACACTGGCTTCTCCGATCTGTCTGGAATCTTTGAAGCGCTATAGATTTGGA  
 AAGGATGCTGTTGGAGAGCGATATAAGCATAAGGAAAAGCACCGTTGTCATGTCTGC  
 CCTCATCTCTCCTTCAAAAAGCTTAATAAACAGAGAGGAACAGTGGGTCCACCAGAG  
 CCTTCAGAATCTAGTCCATTGGCCTTGGGATTGCAGACACCTTTACAGATTGACTGTTCA  
 GAAAGTTCTCAAAGCTTATCCCTTGGAGGATTCCTCCAACTCTGAGCCAGCCAGCAGT  
 GATGAACATACAAACCTTTTACAAGTGAATAGGCAGCTGCAGAGTTTCAAACCTAAC

TCCAGTGGCCGGAAGAAATTAACGTGACAGCCCTGGACTCTTTTCTGCACAGGACACTTCA  
 CTAATCGGCTTACAGAAAGGAGTCACTGCCTTCTAACGAAAGGGCAGTACAGACTTTG  
 GCAGGCTCCCAGCCAACCTCTGATAAACCTCCCAGCGGCCATCAGAGAGCACAATTTGT  
 AGCCCTACCCGAAAAGTCTTTCATCTGAGAGTACTTCTCAACAGTAAACGGAGTTCCC  
 TCTCGAAGTCCAAGATTAGTTGCTTCTGGGGATGACTCTGTGGATAGTCTGCTGCAGCGG  
 ATGGTACAAAATGAGGACCAAGAGCCCATGGAGAAAAGTATTGATGCTGTGATTGCAACT  
 GCCTCTGCACCACCTTCTCCAGTCCAGGCCGTAGCCACAGCAAGGACCGAACCCCTGGGA  
 AAACCAGACAGCCTTTTGTGCTGCAGTCAACAAGTACTCTTGAATAATAGCATCTCA  
 CTCCTATCTGAAAAGTTGACAAGCAGCTGTTCCCCCATCATATCAAGAGAAGTGTAGTG  
 GAAGCTATGCAACGCCAAGCTCGGAAAATGTGCAATTACGACAAAATCTTGGCCACAAG  
 AAAAACCTAGACCATGTCAATAAAATCTTAAAAGCCAAAAAACTCAAAGGCAGGCCAGG  
 ACAGGGAATAACTTTGTGAAACGTAGGCCAGGTCGACCTCGGAAATGTCCCCTTCAGGCT  
 GTCGTATCAATGCAAGCATTCCAGGCTGCTCAGTTTGTCAACCCAGAATTGAACAGAGAC  
 GAGGAAGGAGCAGCACTGCACCTCAGTCTGACACAGTTACAGATGTAATTGAGGCTGTT  
 GTTCAGAGTGAAATCTGAACCCAGAACATAAAAAGGGGTTGAAGAGAAAAGTTGGCTA  
 TTGGAAGAACAGACCAGAAAAAGCAGAAGCCATTACCAGAGGAAGAAGGACAAGAGAAT  
 AATAAAAGCTTTAATGAAGCACCAGTTGAGATTCCCAGTCTTCTGAAACCCAGCTAAA  
 CCTTCTGAACCTGAAAGTACCTTGCAGCCTGTGCTTTCTCTATCCCAAGGGAAAAGAAG  
 CCCCCACGTCCCCCAAAGAAGAAGTATCAGAAAGCAGGGCTGTATTCTGCAGTTTACAAA  
 ACTACAGACCCAAAGAGTCGATTGATCCAATTAAGAAAGAGAAGCTGGAGTATACTCCA  
 GGAGAGCATGAATATGGATTATTTCCAGCGCCATTTCATGTTGAAAAGTATCTAAGACAA  
 AAGAGAATTGACTCCAGCTTCCATTATGATATCCTTTGGCAGTGGAAACACAATCAGCTA  
 TACAAAAAGCCAGATGTCCCACTATATAAGAAAATTCGTTCAAATGTCTACGTTGATGTC  
 AAACCCCTTTCTGGTTACGAAGCTACCACCTGTAAGTGAAGAAGCCAGATGATGACACC  
 AGGAAGGGCTGTGTTGATGACTGCCTCAATAGAATGATCTTTGCTGAGTGTCCCCAAC  
 ACTTGCCCATGTGGCGAGCAATGCTGTAACCAGAGGATACAGAGGCATGAATGGGTGCAA  
 TGTCTAGAACGATTTTCGAGCTGAGGAAAAGGTTGGGGAATCAGAACCAAAGAGCCCTTA  
 AAAGCTGGGCAGTTCATCATTGAATACCTAGGGGAGGTCGTGAGTGAACAGGAGTTCAGG  
 AACAGGATGATTGAGCAGTATCATAATCACAGTGACCACTACTGCCTGAACCTGGATAGT  
 GGGATGGTGAATTGACAGTACCAGTGGGAAATGAGGCCGATTTCATCAACCATAGCTGT  
 GACCCAAATTGTGAAATGCAGAAATGGTCTGTTAATGGAGTATACCGGATTGGACTCTAT  
 GCTCTTAAAGACATGCCAGCTGGGACTGAACTCACTTATGATTATAACTTTCATTCTTC  
 AATGTGGA AAAACAGCAACTTTGTAAGTGTGGCTTTGAGAAATGTCGAGGAATCATCGGA  
 GGCAAGAGTCAGCGTGTGAATGGACTCACCAGCAGCAAAAACAGCCAGCCATGGCCACA  
 CAAAAAATCTGGACGGTCAAAGAGAAGAGAAAAGTCTAAGCACAAGCTGAAGAAAAGG  
 AGAGGCCATCTCTGAGGAACCCAGTAAAAATCAACACCCCAACTAGATTGACCCCC  
 CAATTACAGATGAAGCCAATGTCCAATCGTGAAAGGAACTTTGTGTTAAAGCATCATGTA  
 TTCTTGGTCCGAAACTGGGAGAAGATTCGTCAAAAACAGGAGGAAGTAAAGCACACCAGT  
 GATAATATCACTCAGCATCATTATATACCCGTTGGAATGGGATCTGCCGAGATGATGGG  
 AATATCAAGTCTGATGTCTTCATGACCCAGTTCTCTGCCCTGCAGACAGCTCGATCTGTT  
 CGAACAAAGACGGTTGGCAGCTGCAGAGGAAAATATTGAAGTGGCTCGGGCAGCCCGCTA  
 GCCCAGATCTTCAAAGAAAATTTGTGATGGTATCATCTCTTATAAAGATTCTTCCCGCAA  
 GCACTGGCAGCTCCACTTTTGAACCTTCCCCAAAGAAAAGAATGCTGATTATTATGAG  
 AAGATCTCTGATCCCCTAGATCTTATCACCATAGAGAAGCAGATCCTCACTGGTTACTAT  
 AAGACAGTGAAGCTTTTGTGCTGACATGCTCAAAGTCTTTCGGAATGCTGAGAAGTAC  
 TATGGGCGTAAATCCCCAGTTGGGAGAGATGTTTGTCTACTACGAAAGGCCTATTACAAT  
 GCCCGCATGAGGCATCAGCCAGATTGATGAGATTGTGGGAGAGACAGCAAGTGAGGCA  
 GACAGCAGTGAGACCTCAGTCTCTGAAAAGGAGAATGGGCATGAGAAGGACGACGATGTT  
 ATTCGCTGTATCTGTGGCCTCTACAAGGATGAAGGTCTCATGATCCAGTGTGACAAGTGC  
 ATGGTATGGCAGCACTGTGATTGTATGGGAGTGAACCTCAGATGTGGAGCACTACCTTTGT  
 GAGCAGTGTGACCCAAGGCTGTGGACAGGGAGGTTCCCATGATCCCTCGGCCCACTAT  
 GCCCAACCTGGCTGTGTCTACTTCTATCTGTTTGTCTCCGAGATGACTTGTCTTCTGTCAG

GGTGACTGTGTATCTGATGAGGGATAGTCGGCGCACCCCTGATGGCCACCCGGTCCGT  
 CAGTCCTATCGACTGTTATCTCACATTAACCGAGATAAACTTGACATCTTTCGCATTGAG  
 AAGCTTTGGAAGAATGAAAAAGAGGAACGGTTTGCCTTTGGTCACCATTATTTCCGTCCC  
 CACGAAACACACCACTCTCCATCCCGTCGGTCTATCATAATGAACATTTCCGGGTGCCA  
 CTCTATGAGATCATTCCCTTGGAGGCTGTAGTGGGACCTGCTGTGTGTTGGACCTTTAT  
 ACGTATTGTAAGGGAGACCCAAAGGAGTAAAGGAGCAAGATGTGTACATCTGTGATTAT  
 CGGCTTGACAAGTCAGCACACCTGTTTTACAAGATCCACCGAACCGCTATCCTGTCTGC  
 ACCAAACCTATGCTTTTGTACTTCCCAAGAAGCTCACTCCAAAAAAGATTCTCG  
 CCTATTACGTCCAGACAACACTACAAGGAATGGAGGACGATCATCCTGGAAGTCTGAG  
 CGCTCAAAGCCACCCCTAAAAGACTTGGGCCAGGAGGATGATGCTCTACCCTTGATTGAA  
 GAGTTCTAGCCAGTCAAGAGCAAGCAGCCAATGAGATACCCAGCCTGGAGGAGCCAGAA  
 CGGGAAGGGGCCACTGCTAACGTCAGTGAGGGTGAACAAAAACAGAGGAAAGTAGTCAA  
 GAACCCAGTCAACCTGTACCCCTGAGGAACGACGGCATAACCAACGGGAACGACTCAAC  
 CAGATCTTGCTCAATCTCCTTGAACAAAAATCCCTGGAACAAAAATGCCATTGATGTGACCTAC  
 TTGCTGGAGGAAGGATCAGGCAGGAAACTGCGAAGGCGTACTTTGTTTATCCCAGAAAAC  
 AGCTTTCGAAAGTGA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_018489
<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>OTI Annotation:</b>	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.
<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>	<u><a href="#">NM_018489.1</a></u> , <u><a href="#">NP_060959.1</a></u>
<b>RefSeq Size:</b>	9926 bp
<b>RefSeq ORF:</b>	8910 bp
<b>Locus ID:</b>	55870
<b>UniProt ID:</b>	<u><a href="#">Q9NR48</a></u>
<b>Cytogenetics:</b>	1q22
<b>Domains:</b>	AT_hook, BAH, SET, BROMO, PHD, AWS

<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysine degradation, Tight junction
<b>Gene Summary:</b>	<p>This gene encodes a member of the trithorax group of transcriptional activators. The protein contains four AT hooks, a SET domain, a PHD-finger motif, and a bromodomain. It is localized to many small speckles in the nucleus, and also to cell-cell tight junctions. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>