

## Product datasheet for **SC336413**

### ASH2L (NM\_001282272) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASH2L (NM_001282272) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASH2L
Synonyms:	ASH2; ASH2L1; ASH2L2; Bre2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >SC336413 representing NM\_001282272.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

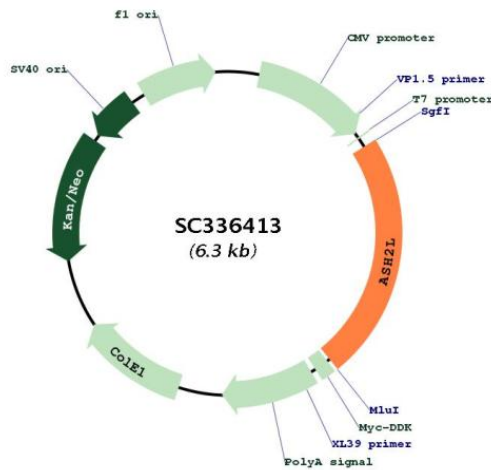
```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCAACTACAGTTTTTCATTGCAACGTCTGCCATCACAGTGGGAATACCTATTTCTCCGGAAGCAA
GCAAACCTTGAAGGAAATGTCCCTTAGTGCTTTGGCCAACCTGACATGGCAGTCCCGAACACAGGATGAA
CATCCGAAGACAATGTTCTCAAAGATAAGGATATTATACCATTTATTGATAAACTGGGAGTGCATG
ACAACCAGACAGAGACCTGGGAAAATGACTTGGCCAAATAACATTGTTAAAAACAATGAGTAAAGAAAGA
GATGTATTCTTGGTAAAGGAACACCCAGATCCAGGCAGTAAAGATCCAGAAGAAGATTACCCCAAATTT
GGACTTTTGGATCAGGACCTTAGTAACATTGGTCTGCTTATGACAACAAAAACAGAGCAGTGTGTG
TCTACTAGTGGGAATTTAAATGGGGGAATTGCAGCAGGAAGCAGCGGAAAAGGACGAGGAGCCAAGCGC
AAACAGCAGGATGGAGGGACCACAGGGACCACCAAGAAGGCCGGAGTGACCCTTTGTTTTCTGCTCAG
CGCCTTCCCCTCATGGCTACCCATTGGAACCCCGTTTAAACAAGATGGCTATCGGTATATTCTAGCT
GAGCCTGATCCGCACGCCCTGACCCCGAGAAGCTGGAACCTTGACTGCTGGGCAGGAAAACCTATTCCT
GGAGACCTCTACAGAGCCTGCTTGTATGAACGGGTTTTGTAGCCCTACATGATCGAGCTCCCAGTTA
AAGATCTCAGATGACCGGCTGACTGTGGTTGGAGAGAAGGGCTACTCTATGGTGAGGGCCTCTCATGGA
GTACGGAAGGTGCCTGGTATTTTAAAATCACTGTGGATGAGATGCCACCAGATACCGCTGCCAGACTG
GGTTGGTCCCAGCCCCTAGGAAACCTTCAAGCTCCTTTAGGTTATGATAAATTTAGCTATTTCTGGCGG
AGCAAAAAGGGAACCAAGTTCACCAGTCCATTGGCAACACTACTCTTCTGGCTATGGACAGGGAGAC
GTCCTGGGATTTTATTAATCTTCTGAAGACACAGAGACAGCCAAGTCATTGCCAGACACATACAAAA
GATAAGGCTTTGATAAAAATCAAGAGTTATTTGTATTTTGAGGAAAAGACTTTGTGGATAAAGCAGAG
AAGAGCCTGAAGCAGACTCCCATAGTGAGATAATTTTATAAAAATGGTGTCAATCAAGTGTGGCT
TACAAAGATATTTTTGAGGGGTTTACTTCCCAGCCATCTCACTGTACAAGAGCTGCACGGTTTCCATT
AACTTTGGACCATGCTTCAAGTATCCTCCGAAGGATCTCACTTACCGCCCTATGAGTGACATGGGCTGG
GGCGCCGTGGTAGACACACCCTGGCTGACGTCTTGTATCACGTGGAGACAGAAGTGGATGGGAGGCCG
AGTCCCCCATGGGAACCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:**

SgfI-MluI

**Plasmid Map:**



**ACCN:**

NM\_001282272

<b>Insert Size:</b>	1470 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>	<u><a href="#">NM_001282272.1</a></u>
<b>RefSeq Size:</b>	2808 bp
<b>RefSeq ORF:</b>	1470 bp
<b>Locus ID:</b>	9070
<b>Cytogenetics:</b>	8p11.23
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	55.3 kDa
<b>Gene Summary:</b>	<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 (4) 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 (d) 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>