

Product datasheet for **RC225918L4V**

ASH2L (NM_001105214) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ASH2L (NM_001105214) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ASH2L
Synonyms:	ASH2; ASH2L1; ASH2L2; Bre2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001105214
ORF Size:	1602 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC225918).
OTI Disclaimer:	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:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001105214.2 , NP_001098684.1
RefSeq Size:	3055 bp
RefSeq ORF:	1605 bp
Locus ID:	9070
UniProt ID:	Q9UBL3
Cytogenetics:	8p11.23
Protein Families:	Druggable Genome, Transcription Factors
MW:	60.2 kDa



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Gene Summary:

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]