

Recombinant Human ASH2L Protein (1-534 aa), His-SUMO-tagged

Cat. No. ASH2L-1146H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ASH2L Protein (1-534 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length of Isoform 3.
Species	Human
Source	E.coli
ProteinLength	1-534 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	76.2 kDa
AA Sequence	MDTQAGSVDEENGRQLGEVELQCGICTKWFTADTFGIDTSSCLPFMTNYSFHCNVC HHSGNTYFLRKQANLKEMCLSALANLTWQSRTQDEHPKTMFSKDKDIIPFIDKYWEC MTTRQRP GKMTWPNNIVKTMSKERDVLVKEHPDPGSKDPEEDYPKFGLLDQDLS NIGPAYDNQKQSSAVSTSGNLNGGIAAGSSGKGRGAKRKQQDGGTTGTTKKARSD

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PLFSAQRLPPHGYPLEHPFNKDGYYILAEPDPHAPDPEKLELDCWAGKPIPGDLR
 ACLYERVLLALHDRAPQLKISDDRLTVVGEKGYSMVRASHGVRKGAWYFEITVDEM
 PPDTAARLGWSQPLGNLQAPLGYDKFSYSWRSKKGTKFHQSIGKHYSSGYGQGDV
 LGFYINLPEDTETAKSLPDTYKDKALIKFKSYLYFEEKDFVDKAEKSLKQTPHSEIIFYK
 NGVNQGVAYKDIFEGVYFPAISLYKSCTVSINFGPCFKYPPKDLTYRPMSDMGWGA
 VVEHTLADVLYHVETEVDGRRSPPWEP

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [ASH2L ash2 \(absent, small, or homeotic\)-like \(Drosophila\) \[Homo sapiens \]](#)

Official Symbol [ASH2L](#)

Synonyms ASH2L; ASH2; ASH2L2; Bre2; ASH2L1;

Gene ID [9070](#)

mRNA Refseq [NM_001105214](#)

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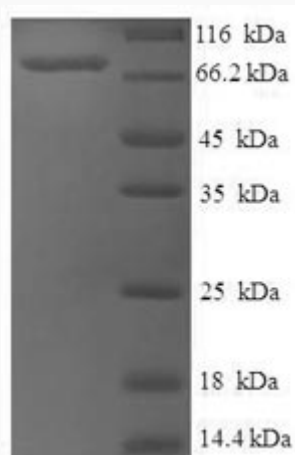
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Protein Refseq NP_001098684

MIM 604782

UniProt ID Q9UBL3



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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