

Recombinant Human ASH2L Protein, Full Length, N-GST tagged

Cat. No. ASH2L-25HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Full-length recombinant human ASH2L was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	Full Length
Description	Enables beta-catenin binding activity and transcription cis-regulatory region binding activity. Contributes to histone methyltransferase activity (H3-K4 specific). Involved in histone H3-K4 methylation; positive regulation of cell population proliferation; and response to estrogen. Acts upstream of or within cellular response to DNA damage stimulus. L centigradeated in nucleus. Part of MLL3/4 complex and Set1C/COMPASS complex.
Molecular Mass	~94 kDa
Purity	> 70%
Stability	1 year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most

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favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration	0.1 µg/µL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Shipping	Dry ice
References	1. Patel A, et al: On the mechanism of multiple lysine methylation by the human mixed lineage leukemia protein-1 (MLL1) core complex. J Biol Chem. 2009 284(36):24242-56. 2. Qi J, et al: Absent, small or homeotic 2-like protein (ASH2L) enhances the transcription of the estrogen receptor α gene through GATA-binding protein 3 (GATA3). J Biol Chem. 2014 289(45):31373-81.

GENE INFORMATION

Gene Name	ASH2L ash2 (absent, small, or homeotic)-like (Drosophila) [Homo sapiens (human)]
Official Symbol	ASH2L
Synonyms	ASH2L; ash2 (absent, small, or homeotic)-like (Drosophila); ash2 (absent, small, or homeotic, Drosophila, homolog) like , ASH2L1; set1/Ash2 histone methyltransferase complex subunit ASH2; ASH2; ASH2L2; Bre2; ASH2-like protein; ASH2L1;
Gene ID	9070
mRNA Refseq	NM_001105214
Protein Refseq	NP_001098684

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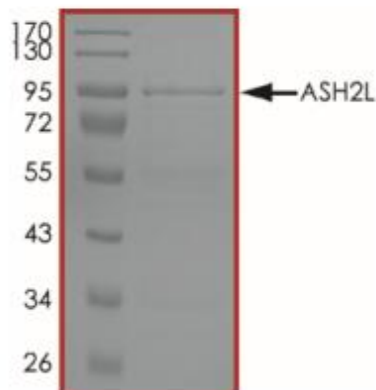
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MIM 604782

UniProt ID Q9UBL3

SDS-PAGE



The purity of ASH2L was determined to be > 70% by densitometry. Approx. MW 94 kDa.

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