

Recombinant Mouse Asxl1 Protein, Myc/DDK-tagged

Cat. No. Asxl1-1755M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length additional sex combs like 1 (Asxl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Probable Polycomb group (PcG) protein involved in transcriptional regulation mediated by ligand-bound retinoic acid receptors (RARs) and peroxisome proliferator-activated receptor gamma (PPARG). Acts as a coactivator of RARA and RXRA through association with NCOA1. Acts as a corepressor for PPARG and suppresses its adipocyte differentiation-inducing activity. Non-catalytic component of the PR-DUB complex, a complex that specifically mediates deubiquitination of histone H2A monoubiquitinated at 'Lys-119' (H2AK119ub1). Acts as a sensor of N6-methyladenosine methylation on DNA (m6A): recognizes and binds m6A DNA, leading to its ubiquitination and degradation by TRIP12, thereby inactivating the PR-DUB complex and regulating Polycomb silencing.
Molecular Mass	163.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Asxl1 ASXL transcriptional regulator 1 [Mus musculus (house mouse)]
Official Symbol	Asxl1
Synonyms	ASXL1; additional sex combs like 1 (Drosophila); putative Polycomb group protein ASXL1; additional sex combs-like protein 1; mKIAA0978; DKFZp434N0535
Gene ID	228790
mRNA Refseq	NM_001039939
Protein Refseq	NP_001035028
UniProt ID	P59598

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