Recombinant Mouse Suz12 Protein, Myc/DDK-tagged

Cat. No. Suz12-6234M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SUZ12 polycomb repressive complex 2 subunit (Suz12), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a core component of the polycomb repressive complex 2 (PRC2) that also includes, at least, embryonic ectoderm development protein (EED) and enhancer of zeste homolog 1 or 2 (EZH1 or EZH2). Through the methyltransferase activity of EZH1 or EZH2, the PRC2 complex methylates Lys9 and Lys27 of histone 3 and Lys26 of histone 1, leading to recruitment of the PRC1 complex, histone 2A ubiquitylation and transcriptional repression of the target genes. This gene product is essential for the activity and integrity of the PRC2 complex, and is required for X chromosome inactivation, stem cell maintenance and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]
Molecular Mass	83.5 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	Suz12 SUZ12 polycomb repressive complex 2 subunit [Mus musculus (house mouse)]
Official Symbol	Suz12
Synonyms	SUZ12; suppressor of zeste 12 homolog (Drosophila); polycomb protein Suz12; suppressor of zeste 12 protein homolog; AI195385; AU016842; AW536442; mKIAA0160; D11Ertd530e; RP23-253E9.4; 2610028O16Rik; KIAA0160
Gene ID	52615
mRNA Refseq	NM_199196
Protein Refseq	NP_954666
UniProt ID	Q80U70

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