

Recombinant Mouse Srrt Protein, Myc/DDK-tagged

Cat. No. Srrt-6136M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length serrate RNA effector molecule homolog (Arabidopsis) (Srrt), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a mediator between the cap-binding complex (CBC) and the primary microRNAs (miRNAs) processing machinery during cell proliferation. Contributes to the stability and delivery of capped primary miRNA transcripts to the primary miRNA processing complex containing DGCR8 and DROSHA, thereby playing a role in RNA-mediated gene silencing (RNAi) by miRNAs. Binds capped RNAs (m7GpppG-capped RNA); however interaction is probably mediated via its interaction with NCBP1/CBP80 component of the CBC complex. Involved in cell cycle progression at S phase. Does not directly confer arsenite resistance but rather modulates arsenic sensitivity. Independently of its activity on miRNAs, necessary and sufficient to promote neural stem cell self-renewal. Does so by directly binding SOX2 promoter and positively regulating its transcription.
Molecular Mass	100.5 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

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handling conditions. Avoid repeated freeze-thaw cycles.

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 [Srrt serrate RNA effector molecule homolog \(Arabidopsis\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Srrt](#)

Synonyms SRRT; serrate RNA effector molecule homolog (Arabidopsis); serrate RNA effector molecule homolog; arsenate resistance protein 2; arsenite-resistance protein 2; Ars2; Asr2; ASR2A; ASR2B; ASR2C; ASR2D; 2810019G02Rik

Gene ID [83701](#)

mRNA Refseq [NM_031405](#)

Protein Refseq [NP_113582](#)

UniProt ID [Q99MR6](#)

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