

Product datasheet for TP517383

Srrt (NM_031405) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse serrate RNA effector molecule homolog (Arabidopsis) (Srrt), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217383 representing NM_031405 Red=Cloning site Green=Tags(s)

MGDSDEYDRRRRDKFRERSDYDRSRERDERRRGDDWNDREWDRGRERRSRGEYRDYDRNRRERFSPPR
HELSPQQRMRDWEHSSDPYHSGYDMPYAGGGGGPTYPGPQWGHDPVHIMQHHLPIQARLGSIAEI
DLGVPPPIMKSFKEFLSLDSDVETEAVKRYNDYKLDFFRQQMQDFFLAHKDEEWFRSKYHPDEVGKRR
QEARGALQNRKLVFLSLMESGWFDNLLLIDKADAIVKMLDAAVIKMEGGTENDLRILEQEEEEEQAGKT
GEASKKEEARAGPALGGERKANDKDEKKEDGKQAENDSSNDDKTKKSEGDGDKEEKKEEAKEAKKSKK
RNRKQSGDDSFDEGSVSESESESEGGQAEKEEAEALKEKEKPKKEEKEKPKDAAGLECKPRPLHKTC
SLFMRNIAPNISRAEIIISLCKRYPGFMRVALSEPQPERRFFRRGWVTFDRSVNIKEICWNLQNIIRLRECE
LSPGVNRDLTRRVNRNINGITQHKQIVRNDIKLAAKLIHTLDDRTQLWASEPGTTPPVPTSLPSQNPILKNI
TDYLIEEVSAAEEELLGSSGGPPPEPPKEGNPAEINVERDEKLIKVLKLLYLRIVHSLDYNTCEYP
NEDEMPNRCGIIHVRGPMPPNRISHGEVLEWQKTFEEKLTPLLSVRESLSEEAQKMGRKDPEQEVEKVF
TSNTQELGKDKWLCPLSGKKFKGPEFVRKHIFNKHAEKIEEVKKEVAFFNFLTDAKRPALPEIKPAQPP
GPAQILPPGLTPGLPYPHQTPQGLMPYQPRPILGYGAGAVRPAVPTGGPPYPHAPYGAGRGNDAFRG
QGGYPGKPRNRMVRGDPRAIVEYRDLDAVDVDF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	100.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_113582
Locus ID:	83701
UniProt ID:	Q99MR6
RefSeq Size:	3039
Cytogenetics:	5 G2
RefSeq ORF:	2625
Synonyms:	2810019G02Rik; Ars2; Asr2; ASR2A; ASR2B; ASR2C; ASR2D
Summary:	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.[UniProtKB/Swiss-Prot Function]