

Product datasheet for **TP510006**

Srpk2 (NM_009274) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse serine/arginine-rich protein specific kinase 2 (Srpk2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210006 protein sequence Red=Cloning site Green=Tags(s)

MSVNSEKSSSSERPEPQQKAPLVPPPPPPPPPLDPAPPEPEEEILGSDDEEQEDPADYCKGGYHPVK
IGDLFNGRYHVIRKLGWGHFSTVWLCWDMQGRFVAMKVVKSAQHYTETALDEIKLLKCVRESDPSPDNK
DMVVQLIDDFKISGMNGIHVCMVFEVLGHLLKWIISNYQGLPVRCVKSIRQVLQGLDYLHCKKIIH
TDIKPENILMCVDDAYVRRMAAEATEWQKAGAPPPSGSAVSTAPQQKPIGKISKNNKKKLLKKKQKRQAE
LEKRLQEIEELEREAEERKILEENITSAEASGEQQDGEYQPEVTLKAADLEDTTEETAKDNGEVEDQEEK
EDA EKENA EKDEDDVEQELANLDPTWVESPKANGHIENGPFSLQLEDEDDDDCANPEEYNLDEPNA
ESDYTYSSSYEQFNGELPNGQHKTSEFPTPLFSGPLEPVACGVSISEGSPLTEQEESSPSHRSRTVSAS
STGDLPKTKTRAADLLVNPLDPRNADKIRVKIADLGNACVWHKHFTEDIQTRQYRSIEVLIGAGYSTPAD
IWSTACMAFELATGDYLFEPHSGEDYSRDEDHIAHIIELLGSIPRHFALSGKYSREFFNRRGELRHITKL
KPWSLFDVLVEKYGWPHEAAQFTDFLIPMLEMVPEKRSAGECLRHPWLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	76.9 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.
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.



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RefSeq:	NP_033300
Locus ID:	20817
UniProt ID:	O54781 , A0A0R4J124 , Q8CBI1
RefSeq Size:	6436
Cytogenetics:	5 10.36 cM
RefSeq ORF:	2049
Synonyms:	AW226533; AW492537; AW547358; mSRPK2; Wbp6
Summary:	<p>Serine/arginine-rich protein-specific kinase which specifically phosphorylates its substrates at serine residues located in regions rich in arginine/serine dipeptides, known as RS domains and is involved in the phosphorylation of SR splicing factors and the regulation of splicing. Promotes neuronal apoptosis by up-regulating cyclin-D1 (CCND1) expression. This is done by the phosphorylation of SRSF2, leading to the suppression of p53/TP53 phosphorylation thereby relieving the repressive effect of p53/TP53 on cyclin-D1 (CCND1) expression. Phosphorylates ACIN1, and redistributes it from the nuclear speckles to the nucleoplasm, resulting in cyclin A1 but not cyclin A2 up-regulation. Plays an essential role in spliceosomal B complex formation via the phosphorylation of DDX23/PRP28.[UniProtKB/Swiss-Prot Function]</p>