

Product datasheet for **TP305134**

SRPK2 (NM_182691) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SFRS protein kinase 2 (SRPK2), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205134 protein sequence Red =Cloning site Green =Tags(s)

MSVNSEKSSSSERPEPQQKAPLVPPPPPPPPPPPLPDPTPPEEEEEILGSDDEEQEDPADYCKGGYHP
VKIGDLFNGRYHVIRKLGWGHFSTVWLCWDMQGRFVAMKVVKSAQHYTETALDEIKLLKCVRESDPSP
NKDMVVQLIDDFKISGMNGIHVCMVFEVLGHLLKWIKSNYQGLPVRCVKSIIHQVLQGLDYLSKCKI
IHTDIKPENILMCVDDAYVRRMAAEATEWQKAGAPPPSGSAVSTAPQKPIGKISKNNKKKKKKQKRQA
ELLEKRLQEIEELERAERKIIENITSAAPSNDQDGEYCPEVKLKTGLEEAAEAETAKDNGEADQEE
KEDAEKENIEKDEDDVDQELANIDPTWIESPKTNGHIENGPFSLQQLDDEDDDEEDCPNPEEYNLDEPN
AESDYTYSSSYEQFNGELPNGRHKIPESQFPEFSTSLFSGSLEPVACGSVLSEGSPLTEQEESSPSHDRS
RTVSASSTGDLPAKTRAADLLVNPLDPRNADKIRVKIADLGNACWVHKHFTEDIQTRQYRSIEVLIGAG
YSTPADIWSTACMAFELATGDYLFEPHSGEDYSRDEDHIAHIIELLGSIPRHFALSGKYSREFFNRRGEL
RHITKLKPWSLFDVLVEKYGWPHEAQAQFTDFLIPMLEMVPEKRASAGECLRHPWLNS

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

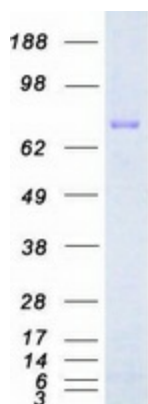
Tag:	C-Myc/DDK
Predicted MW:	77.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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:	<u>NP_872633</u>
Locus ID:	6733
UniProt ID:	<u>P78362</u>
RefSeq Size:	3780
Cytogenetics:	7q22.3
RefSeq ORF:	2064
Synonyms:	SFRSK2
Summary:	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. Can mediate hepatitis B virus (HBV) core protein phosphorylation. Plays a negative role in the regulation of HBV replication through a mechanism not involving the phosphorylation of the core protein but by reducing the packaging efficiency of the pregenomic RNA (pgRNA) without affecting the formation of the viral core particles.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified SRPK2 protein (Cat# TP305134). The protein was produced from HEK293T cells transfected with SRPK2 cDNA clone (Cat# [RC205134]) using MegaTran 2.0 (Cat# [TT210002]).