

Product datasheet for MC205336

Srpk2 (NM_009274) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Srpk2 (NM_009274) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Srpk2
Synonyms:	AW226533; AW492537; AW547358; mSRPK2; Wbp6
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC020178
 GGAAGAAAAATCTCTTGATATAAGGCTTGTAAAGCAAGGGCGGGCAATCTGGTTGTGAATATTTTCTGAT
 TTTTCCAGAAATCAAGCAGAAGACTGAGCTGCTGATGTCAGTTAACTCTGAGAAGTCGCTCTTCCAGAA
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ACAGGAGACTATTTGTTGCGAACCGCATTCTGGGGAAGACTATTCCAGAGATGAAGACCACATAGCCACA
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AAAAAAAA
    
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- Restriction Sites:** RsrII-NotI
- ACCN:** NM_009274
- Insert Size:** 2049 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
 1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
- RefSeq:** [BC020178](#), [AAH20178](#)
- RefSeq Size:** 3578 bp
- RefSeq ORF:** 2049 bp

Locus ID:	20817
UniProt ID:	O54781
Cytogenetics:	5 10.36 cM
Gene 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> <p>Transcript Variant: This variant (3), as well as variant 4, encodes isoform c.</p>