

Product datasheet for **MC204512**

Esrp1 (NM_194055) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esrp1 (NM_194055) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Esrp1
Synonyms:	2210008M09Rik; A630065D16; BC031468; Rbm35a
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031468
 CTTGCATCCCAGGCTTCCAAGAAGAATTTGTTACTGCCTGAGTGCTTCTATTCCTTTTTCGATCTTCGG
 AAAGAGTTCAAGAAGTGCTGCCCGGGCTCTCCCGATATCGACAAGCTGGATGTCGAGCGATGACAGAAA
 GCCTGAACCTTTGAGAAGAGTGACTCTGTGTCCCGATACGGAGCCTCCCAAGTTGAAGACATGGGGAACAT
 AATTTTAGCAATGATCTCCGAGCCCTACAATCACAGATTTTTCAGATCCAGAGAGATTAACACTACAAGTTT
 GAAAGTGGCACTTGACAGCAAGATGGAACCTATTGATGACAGCACAGTGGTGAGAGCTCGAGGTTTGCCT
 GGCACTTTCAGATCAAGATATTGCAAGGTTCTTCAAAGGACTCAATATTGCCAAGGGTGGCCGACACT
 TTGCCTGAATGCTCAGGGCCGGAGGAACGAGAAGCTCTGGTTAGATTTGTAAGTGAGGAGCACAGAGAT
 CTAGCCCTGCAGAGGCACAAACATCACATGGGGACCCGGTACATTGAGGTTTACAAGCAACAGGCGAAG
 ATTTCTTAAAATTGCCGGAGGGACATCCAATGAGGTAGCCAGTTTCTCTCCAAGGAAAACCAAGTCAT
 CGTGCGCATGAGGGGGCTCCCTTTCACGGCCACGGCTGAAGAAGTGGTGGCCTTCTTTGGACAGCACTGC
 CCCATCACTGGAGGGAAGGAAGGCATCCTCTTCGTTACCTACCCAGATGGTAGGCCAACCCGAGATGCTT
 TTGTGCTCTTTGCTTGTGAGGAGTATGCTCAGAACGCCCTGAGGAAGCACAAAGGAGTTGCTGGTAAAAG
 ATACATCGAGCTTTCAGGAGCACAGCTGCCGAAGTTCAGCAGGTGCTGAACCGATTCTCCTCAGCCCT
 CTGATTCCACTTCCAACCCCTCCATTATCCCTGTACTACCTCAGCAGTTTGTGCCTCCCACGAATGTCA
 GAGACTGCATACGCTCTGCGAGGTCTTCCCTATGCTGCCACAATAGAAGACATTCTGGACTTCTGGGGGA
 GTTTTCCACAGATATTCTGTACACATGGAGTGCACATGGTATTGAATCACCAGGGACGCCCTCAGGAGAT
 GCCTTTATCCAGATGAAGTCAACAGACAGAGCATTATGGCTGCGCAGAAGTACCATAAAAAACCATGA
 AGGACAGATATGTTGAAGTCTTTCAGTGTTCAGCTGAGGAGATGAACTTTGTGTTAATGGGGGGCACTTT
 AAATCGAAATGGCTTGTCCCCACCGCCATGCCTGTCTCCTCCCTCCTACACATTTCCAGCTCCCACGGCT
 GTGATTCCTACCGAAGCTGCCATTTATCAACCTTCTCTGCTCTTGAACCCACGGGCACTGCAGCCCTCCA
 CTGCATACTACCCGGCAGGCACTCAGCTTTCATGAACACTACACAGCCTACTATCCAGTGTTTGAAAGAC
 GTATGTGATCCTGAAACTATCAGACAAGAGAACCTTCGAGCAATTTTCAGGGGATGTTTGTCTATATGCAG
 GCTGCGGCAATTCGGCCAACACGATTGGACAGTAGTCCTGGGCCCTTGCCTTTTGTGGAGTGAAAGTG
 AACCCAGCAAAGCCTTACAACAAGCAACACGCATGGACCTGGCTCCTGGCTGAGCACAATCAGGAATTTT
 GATGTGAATTTGAAGTCAAAAGTCTCACTTCCAGCTAACGTGGCATCATTATTTTCTAAGTTGAAGAC
 TTGGAGTAAAAATGCATTCCACTAGCGTCTACCATCCGCCATTAGTTGCTCCGGAAGCCTCACTGTGCATT
 CCCAATCTTCTGTCTCCCTGTTCTCTGTAATAAAAGCCTTCTTGTAGGTAACCTAATGTGCATTCTTA
 GAATACGTAATCCAAACTAAGGAAAGCAATAAAATAGAATAATTTTCTGAATATTAGTTTTCTT
 CAATAGGCCATCATGGTGCCTTATAGTTAAAAACAATAATTTTTAAGACCCTTCAGGCAGGCTGGGCCGT
 TAGCTCAGTGCTAAAGGGCGTGCCTAGCATACTTGCCTGGGTTGTAGACCTTGGCCCCCTTGTGTT
 CTCTCCATACATGCACCTGAGGGTTCCTTCCACACACACACCTTGTTAAAGGATTTGAGGGTTTTTCT
 CTGCAGGTACCACCTGTAATAAGAAGAAAGTAGGGGCCAAAATTTGAAACCAAAAACGAAGCAGCTACA
 TGTAGCTAGTTTCTAGTGTGAGCTGTAACCTGAATGTTGGCTTCATATGTATTATTTTATATTGTACTTTT
 TTCATTGTTAAAGGTTTGGACTTTAATAAGAGAAATTGCATAGTTTCAATGTCATAAAAAAAGACTATT
 TGAACAGTGTATCCAGAAAGCAATACTAACCAAAGTGAATGCTTGTATATATTGATAAACCTTTTTT
 TTTTAAATGCATCACCTGTGAGGAACATAAACCTTTTAAAGCGTAGGCATGCTGGCCTGAGGTAACACC
 GATAAGTTAGAGCGGCTGCAGCGCTCAGTGTTCAGCACCCTTGTGTAGCTGTGCTTTGGACCAGAGTGC
 AGTATTTGGCACTAGCTGGTACAGCTGCCTGATGGAACCTCGCGGGAAAGTGATTTGATCCAAAGCACAT
 GTTTCTTTGTTACTCTCGTCTTTGCTTGGATGCAATGCCTAGGTTGTGGCTATTTTTAGTTTGCATCAT
 CACCTTGACTGTGGAGTGCAGCATTGCCCTCTCACTTGACCAACAGTAGCCCTTCGACTGCAGTGGGAAA
 GAAGAAGAAAATGATTTGATGTGAAAAGTGGTGAATCTGGCACTTGAATAACCAAGAGAAAAGTTCTT
 ACTTGATGCCTTAAAGCCCTCCTGCCGAAGCTCTGAAGAAGTGAAGTGCAGAGATGCTTACTATGGTA
 CTAATGCATTTTTGTAGAGTTGTACATTAATAATAAAACTTGCTGCTTAATCTCAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI
ACCN: NM_194055
Insert Size: 1335 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:	<ol style="list-style-type: none">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:	BC031468 , AAH31468
RefSeq Size:	3012 bp
RefSeq ORF:	1335 bp
Locus ID:	207920
UniProt ID:	Q3US41
Cytogenetics:	4 A1
Gene Summary:	<p>mRNA splicing factor that regulates the formation of epithelial cell-specific isoforms. Specifically regulates the expression of FGFR2-IIIb, an epithelial cell-specific isoform of FGFR2. Also regulates the splicing of CD44, CTNND1, ENAH, 3 transcripts that undergo changes in splicing during the epithelial-to-mesenchymal transition (EMT). Acts by directly binding specific sequences in mRNAs. Binds the GU-rich sequence motifs in the ISE/ISS-3, a cis-element regulatory region present in the mRNA of FGFR2 (By similarity). Regulates splicing and expression of genes involved in inner ear development, auditory hair cell differentiation, and cell fate specification in the cochlear epithelium (PubMed:29107558).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>