

Product datasheet for **RN204484**

Esrp2 (NM_001107423) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Esrp2 (NM_001107423) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Esrp2
Synonyms:	Rbm35b; RGD1310855
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204484 representing NM_001107423
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTCCACCGCCGCCACCGCCCCACCCCGGGCCAGATCCCGCAGTAGACTCTCCACCGACCCCT
 GTCCCGAACCCAGTCGCTGGTTGTTTTGTTCCGGGCCACTGCTGGTGGCTGGGGCCGACCTAGGCTC
 CGACGAGACCGACTTAATCCTCCTAGTTTGCAAGTGGTGGAGCCGCGCAGCCGACAGGTGGGGACACTA
 CACAAGTCGCTAGTTCGCGCCGAGGCGGCTGCCCTGAGTCCACAGTCCGCGAGGCGAGCGGACTCAGCG
 CAGACAGCCTAGCGGGGCGGAGTCTCTGGATAAGGTGCTGCAGCAGTTCTCACAGCTGGTGGCGGGGA
 TGTGGCCCTGCTGGCGGGGGCCCTATGTGCTCTGACTGATGGGCAGCAGCTGTTGCGACAGTTCTT
 CATCCTGAGGCCCTCAGGAAGAACCTGGTGTCTCCGACACCTTCTTCTCCTTCTACGACCTCCGCAGAG
 AATTCCATGTGCAGACCCAAGCACCTGCTCCGCCAGAGACCTCACAGTGGGCACCATGGCAGGACTT
 GGGACTAGAAACAGATGCGACAGAAGATGACTTTGGGGTCTGGGAAGTGAAGACTATGGTAGCGGTATT
 CTCCACCTACTTGAAGGGCCCAATGGTCAATTTGTTCTCGAAGCCAGAGGTAGTAAAGCAGAAATATGAGA
 CGGGGCCCTTGAGCAAGGCTGATGTGGTGGACAATGAGACTGTAGTACGGGCCCTGGGTTGCCCTGGCA
 GTCATCAGACCAGGATGTGGCTCGATTCTCAAAGGGCTCAACATTGCCAGGGTGGTGTGGCCCTCTGT
 CTCAACGCCAGGGCCGAGAAATGGTGGGCCCTTATCCGATTCGAGGACAGCGAGCAGCGGGACCTAG
 CACTGCAGAGACACAAGCACCACATGGGTGTCCGCTATATTGAGGTGTATAAAGCCACGGGAGAGGAATT
 TGTAAGATTGCAGGGGGCACA TACTAGAGGTGGCCGTTTCTATCACGGGAAGTCAAGTGATCCTG
 AGGCTACGGGGACTGCCCTTTTCAGCCGGCCAGCAGATGTTCTAGACTTCTGGGGCCAGAATGCCAG
 TGACTGGGGGTGTGATGGGTGCTCTTTGCGCCACCCTGATGGCAGGCTACTGGGGATGCCTTTGCG
 TCTCTTTGCTGTGAGGAAGTACAGCAGGCTGCTCTGCGCAGGCACAAAGGCATGCTGGGTAAAGGATAC
 ATTGAAGTCTTACAGGACTGACAGTGGTGCAGCAGGTCCTTAACCGCTATGCAGCCAGTCCACTCC
 TTCCACACTGACTGCTCCGCTGCTGCCATTCCCTTTCCACTGGCAGGTGGGACTGGAAGGGACTGTGT
 ACGCCTTCGAGGCTCCCTACACAGCCACCATTGAAGACATTCTGAGTTTTCTAGGAGAGGCAGCAGCT
 GACATTCGGCCTCATGGTGTGCACATGGTGTCAACCAGCAGGGCCGGCCATCTGGCGATGCCTTCATCC
 AGATGATGTCAGTGGAGCGTCTGGTGTGCTGCCAGCGTTGCCACAAGAAGGTGATGAAAGAACGCTA
 TGTGGAAGTAGTCCCTTGTCTACAGAGGAGATGAGCCGTGTGCTGATGGGGGCTCCCTGAGCCGAGC
 GGCTGTCCCTCCACCCTGAAACTGCCCTGCCTCTCACCACCTACCTACGCCACCTTCCAGGCTAGCC
 CAGCCCTCATTCCACAGAGACGACAGCAGTGTATCCCTTTCTGCACTGCTTCCAGCGCCAGGTTACC
 TGCTGCTGCCACTCCTTTGCCTACTACCCAGGGCCAGCCACTCAACTCTACATGAACTACACTGCCTAC
 TATCCAGCCCCCAGTTTCTCCCACTACTGTGGGCTACCTCACCACACCTCCTACTGCCTTGGCCTCCA
 CACCCACTTCAATGTTGTACAGCCAGGAGCCCTGGTCCGAATGCAGGGGGTCCCTACACAGCTGGTAT
 GAAGGATCTGCTCAGTGTCTTTCAAGCCTACCAGCTGGCTCCTGATGACTACGCCACTCTCGTGCCTGTT
 GGTGACCCACCTCGACTGTGTTACAAGCCCTAAAGAGTGGGTGTGTTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107423
Insert Size: 2154 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:	<u>NM_001107423.1, NP_001100893.1</u>
RefSeq Size:	3975 bp
RefSeq ORF:	2154 bp
Locus ID:	307810
Cytogenetics:	19q12
Gene Summary:	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).[UniProtKB/Swiss-Prot Function]