

## Product datasheet for **SC127959**

### **RRBP1 (NM\_004587) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RRBP1 (NM_004587) Human Untagged Clone
Tag:	Tag Free
Symbol:	RRBP1
Synonyms:	ES/130; ES130; hES; p180; RRp
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_004587, the custom clone sequence may differ by one or more nucleotides

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ATGGATATTTACGACACTCAAACCTTGGGGTTGTGGTCTTTGGAGGATTCATGGTTGTTTCTGCCATTG
GCATCTTCTCGTGTGCGACTTTCTCCATGAAGGAAACGTCATATGAAGAAGCCCTAGCCAACCAGCGCAA
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AAGAAGGAGAAAAAGTGGCAAAAGTGGAAACCAGCTGTCAGCTCTGTAGTGAATCCATCCAGTTCTCA
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GCTGCAGGAACAGCTGAAAAAGGCAGAGGACGGCAGCAGCTCAAAGGAGGGCACCTGTCTGA
    
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_004587 unedited          NAAAACCGGTTTATTACCCCGCCGTTGNCGCAAAGGCGGTAGGCGTGTACGGTGGGA          GGTCTATAAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGTACTTGTCTTTT          TGCAGCGGCCGGAATTCGGCAGCAGGCACACGCGGCACGCAGCCAGCGAGCGGCCGGA          GCGGACGGCAGACGGGGCGGGCGGCGTCAGGGTCGCAGCGTCTACAGTGTCTCGGGGGC          GTTTCTTGGCGGAGGCTTGGCCGGCTCCTCTCTCCGGCTCCGCGGGCTGCGAAGGCC          GCGGCTCCTGCCCTCTCGCTTTCCTCTCGCGTCTCTGGCTGCAGGTGAAAGGAAAGCAA          GCCAGGATGGATATTTACGACACTCAAACCTTGGGGTGTGGTCTTTGGAGATTCATG          GTTGTCTGCCATTGGCATCTTCTGGTGTGCACTTTCTCCATGAAGGAAACGTCATAT          GAAGAAGCCCTAGCCAACCGCAAGGAGATGGCGAAAACCTACCACCAGAAAGTCGAG          AAGAAAAAGAAGGAGAAAAACAGTGGAGAAGAAAGGAAAGACCAAGAAAAAGGAGAGAA          CCTAATGGGAAGATACCTGATCATGATCCAGCCCCAATGTGACTGTCTCTTCGAGAA          CCAGTGCGGGCTCCTGCTGTGGCTGTGGCTCAACCCAGTGCAGCCCCCATTATCGTT          GCTCCTGTGCCACAGTCCAGCCATGCCCCAGGAGAAGCTGGCCTCCTCCCCAAGACA          AAAAGAAGAAGAAAAAGTGGNCAAGTGAACACAGCTGTCAGCTCTGTAGTGAATTCCA          TCCAGGTGCTCA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_004587 unedited          CCGTGGCACCCATCGGTNGATGGCAACTNCCAGGNCCAGNGANGAGCACTGGGNAGG          GGCTCACAGGGCATGCCACCCGGTTCTGTTTCCAGGAAACAGCTATGACCGCGGCCGAAT          CTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGTAGGTTGGTTTAT          TTGTAAGGAATGTGTAAGGCATTTTGGTAAGTTGAACAGTAACCTTTTTTCCAAAAGG          AACTCAAACAGAGGTGCCCTCCTTTGAGCTGCTGCCGTCTCTGCCTTTCCAGCTGTT          CCTGCAGCTTCTTACCCTGTCTTCTCCCTTGGCAGCTGCTCCTGGGTGCTTCAAAA          GCTCCTGCAGTCTCGTGGCGGCGCCCCAGGTCACTTGTAACTTCTTCTTTTTTCTA          GTCTCTCCTTCCAGCTGTGAGGCCTCCTCTGTTTCTGAAGACTCTAGGGGGCCGGCTGTG          GGAGCTTCTCAAATCTTCTTGTAAACAGACATGCCGAGGTCTGAGCCTCTCAAACCTCG          CCGTGAGCTTCTGCCGCTGTGTCTGCTCATCTCCAAGATGGCTTCTGTCCACTCCAGCT          GCGTCTTCCAGTGAACGGGGTCTGCTCGGCTGGGGCGCCTCTGGGAGGAAGCTGGG          CCCCCTCGGCCTTCTTGCCTNGTTCGGGGTCCCCTCGGCCTTCTTGCCTGGTTCTGGG          CCCCCTTCCGCTTCTTGCCTGGTTTGGGGTCCCCCGCCCTTCTGCCCTGGGTGCGGGC          CCCCTGGGCTTCTTGCCTGGTTTGGGGTCCCCCGGCCTTCTGGCCTGGTTGCGGG          CGCCCTCGGCCTTTTTGCCCGGTTCCGGGCCCCCTCGCCCTTTTGCCTGGTTT</p>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_004587
<b>Insert Size:</b>	3300 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_004587.1</a> , <a href="#">NP_004578.1</a>
<b>RefSeq Size:</b>	3106 bp
<b>RefSeq ORF:</b>	2934 bp
<b>Locus ID:</b>	6238
<b>UniProt ID:</b>	<a href="#">Q9P2E9</a>
<b>Cytogenetics:</b>	20p12.1
<b>Domains:</b>	Rib_recp_KP_reg
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a ribosome-binding protein of the endoplasmic reticulum (ER) membrane. Studies suggest that this gene plays a role in ER proliferation, secretory pathways and secretory cell differentiation, and mediation of ER-microtubule interactions. Alternative splicing has been observed and protein isoforms are characterized by regions of N-terminal decapeptide and C-terminal heptad repeats. Splicing of the tandem repeats results in variations in ribosome-binding affinity and secretory function. The full-length nature of variants which differ in repeat length has not been determined. Pseudogenes of this gene have been identified on chromosomes 3 and 7, and RRBP1 has been excluded as a candidate gene in the cause of Alagille syndrome, the result of a mutation in a nearby gene on chromosome 20p12. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR, compared to variant 1.</p>