

## Product datasheet for **SC323815**

### PRRT2 (NM\_145239) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRRT2 (NM_145239) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRRT2
Synonyms:	BFIC2; BFIS2; DSPB3; DYT10; EKD1; FICCA; ICCA; IFITMD1; PKC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_145239.1  
CACGGGAGAGGAGAAGAGGGGAGACCCGCCGCTCCCTCCCTCCCTAGCTGACTTGCTCCC  
TCCCGGGCTGCGGCTGCTGCAAAAGCCAGCAGCGGCAGCGGGAGCTGTCCGGAGGCCGGC  
GTCGAGGGTTTGGCGCTGTCTCTGCTATTTCCATCCTCCCATAGGGGCTCTCTCCCTC  
TCCCATCTCAAGATGGCAGCCAGCAGCTCTGAGATCTCTGAGATGAAGGGGGTTGAGGAG  
AGTCCAAAGGTTCCAGGCGAAGGGCCTGGCCATTCTGAAGCTGAAACTGGCCCTCCCCAG  
GTCTCTACGAGGGTACCAGACCAGCCAGAGGCCCGCAGCCAGGTCCAAACACCACCTGCG  
GCCCTGTGGACTCAGGGCCCAAGGCTGGGCTGGCTCCAGAAACCACAGAGACCCCGGCT  
GGGCTCAGAAACAGCCAGGCCACAGACCTCAGCTTAAAGCCAGGAGGGGAATCAAAG  
GCCAAGTGCAGCCCCGAAGACCCATGCCAAGAAACAGTGTCAAACCAGAAGTGAGCAAA  
GAGGCCACTGCAGACCAGGGTCCAGGCTGGAGTCTGCAGCCCCACCTGAACCAGCCCCA  
GAGCCTGTCCCCAACAGACCCCGGCCAGATTCCAGCCTTCCCCAAGCCAGCCCTT  
CAACCAGAGCTCCCTACCCAGGAGGCCACCCCTGAGATTCTGTCTGAGAGTGTAGGG  
GAAAAGCAAGAGAATGGGGCAGTGGTCCCTGCAGGCTGGTGTGGGAAGAGGGCCCA  
GCCCTGAGCCTCACTCACCACCCTCAAAAAATCCCCCCAGCCAATGGGGCCCCCCCC  
CGAGTGTGCAGCAGCTGGTTGAGGAGGATCGAATGAGAAGGGCACACAGTGGGCATCCA  
GGATCTCCCCGAGGTAGCCTGAGCCGCCACCCAGCTCCCAGCTGGCAGGTCTGGGGTG  
GAGGGGGTGAAGGCACCCAGAAACCTCGGGACTACATCATCCTTGCCATCCTGTCTGC  
TTCTGCCCATGTGGCCTGTCAACATCGTGGCCTTCGCTTATGCTGTGATGTCCCGAAC  
AGCCTGCAGCAGGGGGACGTGGACGGGGCCAGCGTCTGGGCCGGGTAGCCAAGCTTTA  
AGCATCGTGGCGCTGGTGGGGGAGTCCATCATCATCGCCTCCTGCGTCACTCACTTA  
GGCGTATAAAGTGAGGGGCTCTGCCCGCATCCCAAGACTTTTCTTCTGTTGGGAGCT  
GCCTTGGGCCATCCCTCCCTGGGGGAGCCCAACTGATGGCCCTGGCCCCACCCCTA  
AGGACCAAGGGAGCCTGAGCGGCCTTGTACAGCTTCTGCTCCTGCTCCTGCATCTTGCC  
AGGCTCCTCTGCCAACTGTAGGCCTGCCTCATCCCTGCACTGGTTCCAACCTCCCTGCAC  
TAATGCCTGCATCCCCTCCGGCCTCTTGCCCCCTATCCCTGCACTTCTGGAAACCTCCC  
TGCACTCTGGAAACCTCCCTGAACACCTCCCAACTCTGCGCTCTCAGCCTCCCTGCATC  
TCTCCTGGCCTCCCTGCACTTCTTCCAGCCCCCAAAATTCTTGACCTCCACCCTGGCC  
GCCTCCTCCCAACTTTTATTGTCTTGGCATCTCTCAACCCTCAGTCTCTCTTCTTCCC  
TTCTTTATCATCTCCCCTTCTCTCCAGTCCCGCCCCCTTCTCTTCTGCTCCTCA  
TCTCCCTTAAGCATCCTTCTTCAACCTCCCGTACCCTTTACTCTGCAAAACTGACAG  
CACTTAGACGAGGCTTGGGGCAGGGAGAGTGTGGGAGAGGGTCCCCAACCCAGGC  
TCGGACTGTTCTGTCTGGGACCACCCAGGGTCGGACACCCAAGGTGCCTGGCAGGTGC  
CAGAGTTGGCAAGCCGGGCTCGTATGGGGACTCGGGTGAAGGTGGCGAGTACTGGTTCC  
GAACGCACGCAGGGGAGAAGGGAGGGACGCGGCGCTGACCCTTCCAGGTGAGTGGAGTT  
GACCCGCCACCTGGGCTTTTCAACCCAGTCCGCGAGTTTCTTCTTGAAGGTGTGGGG  
GCTAGATTCAATCAGTGCTTCGTAATGAAATAATCAAAAAATAGGACCAAAAGCGCCCA  
CTGGCAGGAGCGAGGGCGGGCGCGCTCTATAATTTTCTAAGATGATGGGGGAG  
GTTTGTGACGCGACAGCCCGCTGAGGAGGCGGGACCGAGCTACAACGCGGTTCCGAT  
TTGGCGGGGTTTTTTTCTTAAAAAAGGTCTGGGGGAAGA  
AAAAAACTAAAATTCTTAAAAAAGGTCTGGGGGAAGA  
AAAAAACTAAAATTCTTAAAAAAGGTCTGGGGGAAGA

**Restriction Sites:** ECoRI-NOT  
**ACCN:** NM\_145239  
**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_145239.1</a> , <a href="#">NP_660282.1</a>
<b>RefSeq Size:</b>	2372 bp
<b>RefSeq ORF:</b>	1023 bp
<b>Locus ID:</b>	112476
<b>UniProt ID:</b>	<a href="#">Q7Z6L0</a>
<b>Cytogenetics:</b>	16p11.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a transmembrane protein containing a proline-rich domain in its N-terminal half. Studies in mice suggest that it is predominantly expressed in brain and spinal cord in embryonic and postnatal stages. Mutations in this gene are associated with episodic kinesigenic dyskinesia-1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1.</p>