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Product datasheet for RC230575

PRRT4 (NM_001174164) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRT4 (NM_001174164) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PRRT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

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>RC230575 representing NM_001174164
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGGCATGGCTGTCTAGGGCTGGGACTGTTCTGCTGCGTCCTGTTTGCTGCTACTGTGGGCCCCC
AGCCCACCCCCTCCATCCCAGGTGCCCCTGCCACCACTTTGACCCCCGTACCTCAAAGTGAGGCCTCTAT
GCTGTCTCTCAACCTGGGACTTAACTTCAAATTCCATCTTCGGGGACCTGCTGCTGTCTGGGGGAGCCCA
GTCACAGAGACCCAGCCACTCTCTCTTGGGCCAGGCCAGGAGCCAGGGGAAGAGGTGGCCAGTGGGCTGA
GGACTGACCCCCTTTGGGAATTGCTGGTGGGCTCCTCAGGGAACTCTCTCACTGAGTGGGGCTCCACCGA
AGGTGGCTCAAAGCCCCGGGCCTCCTCCCTGCTTCCGGAGTCCACATCCCGGCGCTCTGGGCCCAGCGAT
GGGCCCACTGCCCCCTATCAGCCCAGGAGGAGCACTGTGACCTGGGACACTGCTCTGATGGTGACAGCAC
TTCCATCCAGTGCTCCCAGGCCCCACCAGAGCGAGCTGGAGCTGAAGTTTGACATGGCACTGAGAGCAGG
TGCAGCCCCCACGCTTGGGCATCGAACGCTGCCCCTGCTGCCCAGCCTGCGGGCCAGCCTGGCAGAGATT
GCTGGGCGCCTGGGACCCTTTGGATTCTTTGGCACTACTCTGTCCCCACTCCGGAACTTCTCCGGCCTGA
GCCCCCCAGGTGAAACTACATCCACAAGCTCTGCCTCTGGAGTTTCGGGTTCTCTGGGGTTCCTTGGTAC
CACTCTGTCCCTGCCCCCATACTCCCTGGAGAGGAAGCTCTCCAGCCCAAGTCCTCTGGACCCAGCTGCT
TCCCTAAGTTTTGCCTCGATTGCAACAACATCATTAGACCCCACAGTCCCCATCTCTGGCCCAGATGACC
TCTCTCCTCCCGCCAGCCTCGGGAACCCTTCGGGGCAGCCAGAGTGTGGGCCAGGGTCCTGCAGCGTGGG
AGAATTGCCTGAACGCGAGGGGCAGCCTCCCGAGGCGCCGAGGCCCCTCTTTTTCCTGACCCTGGAGGCC
GACTGGGCAGAGGCCAGGGCTCGCTGGGGGCTGGCCTGGGAGGCCCACGTGTACGGGCGATTACACCGTG
GACTTCCGCCCGCCCTCCCCAATCAACCTGCGACGCAGCATCGAGGAGGCCCTCTGCAGCGAGGCCCTGC
TTGCGCCTGGCCTCTTCCAGGGCCCTGCCTTCGAGGACGCTCTGCCTGGGCTCGGACTCTACCGCACCGC
CTCGCTGGGGACCGGGGGCAGGGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Protein Sequence:

>RC230575 representing NM_001174164
Red=Cloning site Green=Tags(s)

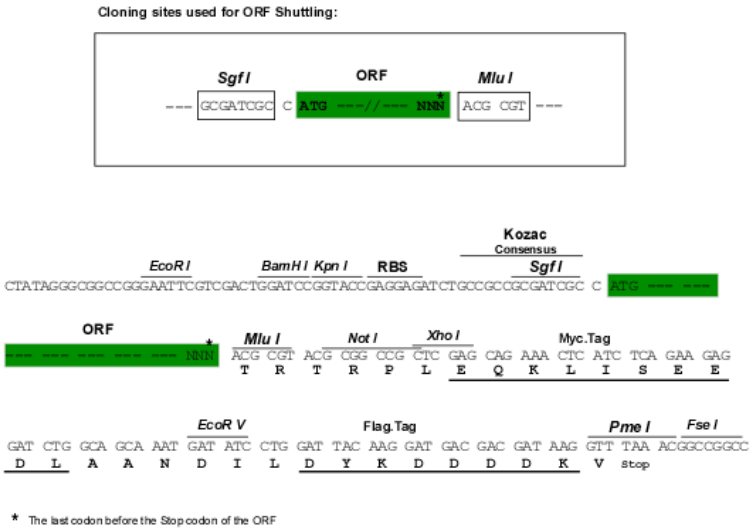
MARHGCLGLGLFCCVLFAATVGPQPTPSIPGAPATTLTPVPQSEASMLSLNLGLNFKFHLRGPAAVWGSP
VTETQPLSLGPGQEPGEEVASGLRTDPLWELLVGSSGNSLTEWGSTEGGSKPRASSLLPESTSRRSGPSD
GPTAPYQPRRSTVTWDTALMVTALPSSAPRPHQSELELKFDMALRAGAAPTLGHRTLPLLPSLRASLAEI
AGRLGPFGFFGTTLSPLRNFSGLSPPGETTSTSSASGVSGSLGFLGTTLSLPPYSLERKLSSPSPLDPAA
SLSFASIATTSLDPTVPISGPDDLSPPASLGNPSGQPECGPGSCSVGELPEREGQPPEAPRPLFFLTLEA
DWAEARARWGLAWEAHVYGRLHRGLPPALPNQPATQHRGGPLQRGPACAWPLPGPCLRGRSAWARTLPHR
LAGDRGQGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_d11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001174164

ORF Size: 1287 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

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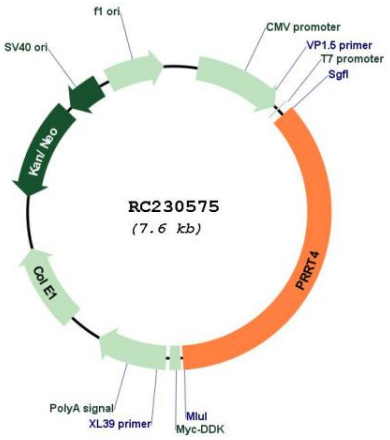
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:	NM_001174164.1, NP_001167635.1
RefSeq Size:	3562 bp
RefSeq ORF:	2700 bp
Locus ID:	401399
UniProt ID:	C9JH25
Cytogenetics:	7q32.1
MW:	44.6 kDa

Product images:



Circular map for RC230575

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