

Product datasheet for **RG230575**

PRRT4 (NM_001174164) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRRT4 (NM_001174164) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRRT4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG230575 representing NM_001174164
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCCAGGCATGGCTGTCTAGGGCTGGGACTGTTCTGCTGCGTCCTGTTTGTCTACTGTGGGCCCC
 AGCCACCCCTCCATCCAGGTGCCCTGCCACCACTTTGACCCCGTACCTCAAAGTGAGGCCTCTAT
 GCTGTCTCTAACCTGGGACTTAACCTCAAATTCATCTTCGGGGACCTGCTGCTGTCTGGGGAGCCCA
 GTCACAGAGACCCAGCCACTCTCTTTGGGCCAGGCCAGGAGCCAGGGGAAGAGGTGGCCAGTGGGCTGA
 GGACTGACCCCTTTGGGAATTGCTGGTGGGCTCCTCAGGGAACCTCTCACTGAGTGGGCTCCACCGA
 AGGTGGCTCAAAGCCCCGGGCTCCTCCTGCTTCGGAGTCCACATCCCGGCGCTCTGGGCCAGCGAT
 GGGCCACTGCCCCCTATCAGCCAGGAGGAGCACTGTGACCTGGGACACTGCTCTGATGGTGACAGCAC
 TTCCATCCAGTGTCCCAGGCCACCAGAGCGAGCTGGAGCTGAAGTTTGACATGGCACTGAGAGCAGG
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 CTGCCTGGCGCTGCTGGACCTGCTGCTGTGTCGGCCGGGACACGCGGGCTTCCCGCTTCTACGAC
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 GCTGTGTTCCAGCCCCAGAGCCCCGCGCTGCCCTCTGGTCTGCGTCTCAGTCCCCCGCGGCCCTCA
 GGAAGCAGCCCCAGCCTCCCGGCTCAGGATCCTACCAGGCCCTGTCCCCACCTCTCGCGACTCCCCAG
 AGCCTGCTTCTGAGCTGCAGGCCGAGGAGCCTTGTGCAGGAGCAGTTCTTGACGCTGCCGACAGAT
 CGACGAGCTGAGCGTGGGCAGCGACACCATAGACCTG

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

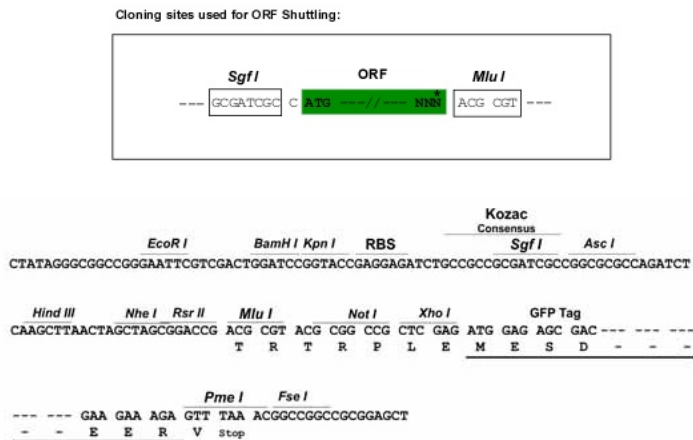
Protein Sequence: >RG230575 representing NM_001174164
 Red=Cloning site Green=Tags(s)

MARHGCLGLGLFCCVLF AATVGPQPTPSIPGAPATTLTPVPQSEASMLSLNLGLNFKFHLRGPAAVWGSP
 VTETQPLSLGPGQEPGEEVASGLRTDPLWELLVGSSGNSLTEWGSTEKSKPRASSLLPESTSRRSGPSPD
 GPTAPYQPRRSTVTWDTALMVTALPSSAPRPHQSELELKFDMLRAGAAPT LGHRTLPLPSLRASLAEI
 AGRLGPF GFFGTLSPLRNFSGLSPPGETTSTSSASGVSGSLGFLGTTLSPPYSLERKLSSPSPLDPA
 SLSFASIATTSLDPTVPISGPDDLSPPASLGNP SGQPECGPGSCSVGELPEREGQPPEAPRPLFFLTLEA
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 AYGHRDRLPALAWLLQLDPLPCLAAGLGLACLLARPRPPRCPTGLAALLLGLGLAAAAALGSAHRP
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 APVAGTFGLLSGALQGYEVLHALGYGGQSGLEGPPWWAFQLGLRLGEVGVALPLALLGLYPALCSPRPV
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 AANPASPASSPCSDYTVDFRPPSPINLRRSIEEALCSEALLAPGLFQGP AFEDALPGLGLYRTASLGTG
 GRASERSGEASGPAAPPELPSGAWPAGSSVSSGFCGLSRDSSSMLLCSSPDRPPRCPLVCVLSPPRPS
 GSSPSLPASGSYQALSPPSRDSPEPASELQAEALLQEQLDACRQIDELSVGSDTIDL

TRTRPLE – GFP Tag – V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN:	NM_001174164
ORF Size:	2697 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).

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.

RefSeq: [NM_001174164.1](#), [NP_001167635.1](#)

RefSeq Size: 3562 bp

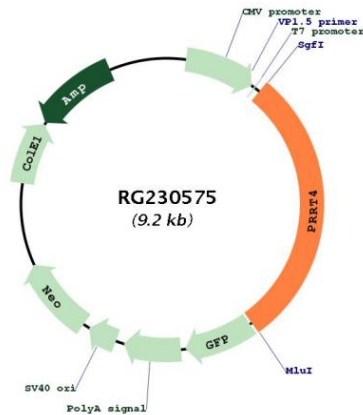
RefSeq ORF: 2700 bp

Locus ID: 401399

UniProt ID: [C9JH25](#)

Cytogenetics: 7q32.1

Product images:



Circular map for RG230575