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Product datasheet for MR211350

Prrt3 (NM_172487) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prrt3 (NM_172487) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prrt3
Synonyms:	6330505P20; B230206N24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR211350 representing NM_172487
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCCCAGCCCACAGGCCTGCACATCTCCTCTTCTGCTGTTGCTGCTGCCATGCCTGGGGGCTGGCC
CTGCCTTGGGCAGAGGCCTTCCCAGGCCCCTGGAGAACTCAGAACCTCACATGATCCCATCAGAGTCACA
GACCTTTGACCTCTTCTGGGAGAAGCTGAGAAATGAGAGTTCCTGGCACAGCGGTGACCCTCAGGCCCGT
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GGGTCCAAGGTGAAAGACTACTAAGAGCTGATGACCTCCAGCTGGCCCGAGCATTCACCTCCCAAGGCTG
GACAGGACCTCCTGACTCACAGGAGCTTCTGGAGCCTGAGGCACCAGAACCCCACCCTGTGCGAGCACCT
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AGCCTGGAGGCACAGCAGGGCAGCAGCCAGCTAGGAACGAGGAGCTAATAATGGTCAAAGCCGAGACCCA
CATCACACAGGCTTCCCCCTGGGACTTCCAGGGCTCTTCCCACACTCCGGTACCCGAGACAGATGCTGTG
AGGACGCTGGTGTTGGGGAAGCAGGGGGGACATGAACAGGGCTTCCAGGAGGCTGTCCAGGGTCCCCTAC
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GCCTGGAGCCCAGCTCGACCTGGCATTGGTCAGAAGCCTTCCTCTTCCTGAGGGGCTGCCAGCTGAACCC
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CCGCTGCTGCTGGGAATTGTGGCACCGGTGCATGGCACATGTTTGCTGGCTACAGACCTGTTCTCCACCA
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GGCCTGGCCGGGAGGGTCGCTTCTCCTGGGCTTGGTGGGGCGTGCACTTCTGGCTGCGCCTGCTGGAATT
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TGCTGGGCTAAGCTGCTGCGTCTGGCGTGCCCCGCGCCTACAGGGAAGAGCGAAGTTCCCGAGAGACCCA
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CGCTGCTGGGGAAGCTGGGCTTCCTGTCACTCCTGGTTCTGGACCCTGGGGTTCGGCTGCATCGCTGGGT
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TGGCGTCACGGGCTGTCATCCGTGGACAGCCTGCCCCTAGATGAACTGCCCAGCACCGTGCAGCTGCTGC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211350 representing NM_172487
Red=Cloning site Green=Tags(s)

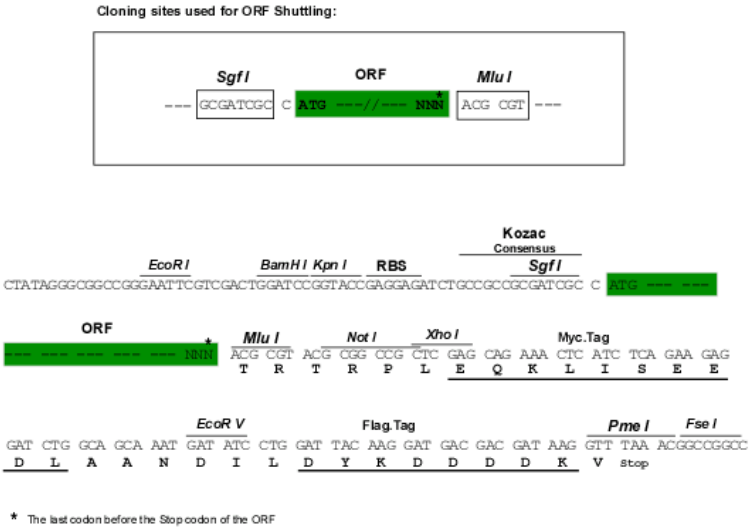
MAPSPQACTSPLLLLLLPCLGAGPALGRGLPRPLENSEPHMIPSESQTFDLFWEKLRNESSWHSGDPQAR
AEGPKKPADPYLGPALHGPKAAPGVQGERLLRADDLQLARAFTSQGWTGPPDSQELLEPEAPEPHPVRAP
RLTLVTTTPSSLLSAAILSTASQKPGGTAGQQPARNEELIMVKAETHITQASPWDFQGSSHTPVPETDAV
RTLVLGKQGGHEQGFQEAVQGPLLTQQDPVVPGVGSTPPVKVESTPEPGAQLDLALVRSLPLPEGLPAEP
PKTGAGDTWEVSSLGPQPEQTDLLGGQDSPAPQPIPPSASDTSDGHLRPVSSLNGADPISPQRVRGAMEA
PGTPKSFIPDLPNSAQAANGTESPVRALQPDEAEDWPGRPQSHPPAPPVQAPSTSRRGLVRVTTQRALGQ
PLPPEPSASSIVPIPASSPPANATAPPLRWGPLRRVLSFSWELHVYGVGVLFLLPALLALVTVAAALAGP
RLALVAAALVLVASGLRSAYMLTDPYGSQARLGVRAGLVLYNLPFPLLLTALAALTLLGLGAGLPQPLQK
PLLLGIVAPVHGTCLLATDLFSTSPVLNLLTQGLSCAWGASVALGTLCLCRRRLLEGPRGWDASPGPRLL
AVAGSLGLLASGLQLAASLWLYPGPGREGRFSWAWWGVHFWLRLLELTWALALALAALAATRPRPPTEHA
CWAKLLRLACPAPTGKSEVPERPNNCYAGPSGLGTGGLDISKSLIRNAAGEAGLPVTPGSGPWGSAASLG
RGRPGGQRMSRGSVGPAPSLSELDLRPPSPINLSRSIDAALFREHLVRESVFQRCGLRGLASSPTGGALR
PRRGSQPDAELDGAGTSLLRGRCRSLTEVCLRTSLPQHVMEPPVGAAAAGTSGSSLDSFSKGSLKISWNP
WRHGLSSVDSLPLDELPSTVQLLPPPTPVPAPARAGEPQGEGQSRCKSSESHSASSDTIEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172487

ORF Size: 2913 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_172487.4, NP_766075.2

RefSeq Size: 3304 bp

RefSeq ORF: 2916 bp

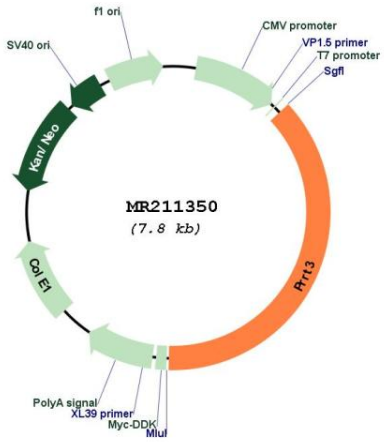
Locus ID: 210673

UniProt ID: Q6PE13

Cytogenetics: 6 E3

MW: 101.7 kDa

Product images:



Circular map for MR211350