

Product datasheet for **RR214748**

Prps111 (NM_001105678) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prps111 (NM_001105678) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Prps111
Synonyms: Prps3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214748 representing NM_001105678
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAAACATCAAATCTTCAGCGGCAGCTCCCACCAGGACTTATCCCAGAAGATTACCGAGCGCCTGG
GCCTCGAGCTCGCAAGGTGGTAACTAAGAAATTCAGCAACCAGGAGACCTGCGTGGAAATTGGTGAGAG
TGTGCGCGGAGAAGACGTCTACATAGTTCAGAGTGGTTGTGGTAAATCAACGACAGTCTAATGGAAGT
TTGATCATGATCAATGCCTGCAAGATCGCTCCGCCAGCCGGGTGACTGCGGTACATCCCCTGCTCCCTT
ACGCCAGGCAGGATAAAAAGGATAAAGAGTCGGGCTCCCATGTCTGCGAAACTCATAGCAAATATGCTGTC
TATAGCGGGTGCAGATCACATTATCACCATGGACCTACATGCTTCTCAGATTACGGGGTTTTTTGACATC
CCAGTAGATAATTTGTATGCAGAACCAGCCGCTCTGAAGTGGATAAAGGAGAATATTTCTGACTGGAGAA
ACTGCACAATTGTTTCTCCTGATGCTGGCGGAGCCAAGAGGGTCACTTCCATCGCGGACCATTTGAATGT
GGATTTGCCTTGATTACAAAGAACGGAAGAAAGCCAATGAAGTGGACCGCATGGTGTGTGGGTGAC
GTAAAGGAGCGAGTGGCTATCCTTGTAGATGACATGGCTGACACTTGTGGTACAATCTGTTATGCGGCTG
ACAAACTTCTGTCAGAGGGAGCTACCAGAGTTTATGCCATCTTGACTCACGGAATCTTTTCTGGCCAGC
CATTGCTCGCATCAATGGCGCATGCTTTGAAGCAGTAGTGGTCACTAACACTATACCTCAAGAAGACAAG
ATGAAACAGTGTAGCAAATCCAGGTGATTGACATCTCCATGATTCTTGCTGAAGCCATCCGGAGAACCC
ATAACGGAGAATCTGTTTCTATCTGTTAGTCATGTTCCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214748 representing NM_001105678
 Red=Cloning site Green=Tags(s)

MPNIKIFSGSSHQDL SQKITERLGLLELGVVTKKFSNQETCVEIGESVRGEDVYIVQSGCGEINDSLMEL
 LIMINACKIASASRVTAVIPCFPYARQDKKDSRAPMSAKLIANMLSIAGADHIIITMDLHASIQGFFDI
 PVDNLYAEPVAVLKWIKENISDWRNCTIVSPDAGGAKRVTSIADHLNVDFALIHKERKKANEVDRMVLVGD
 VKERVAIVLDDMADTCGTICAAADKLLSEGATRVYAILTHGIFSGPAIARINGACFEAVVVTNTIPQEDK
 MKQCCKIYVIDISMILAEAIRRTHNGESVSYLFSHVPL

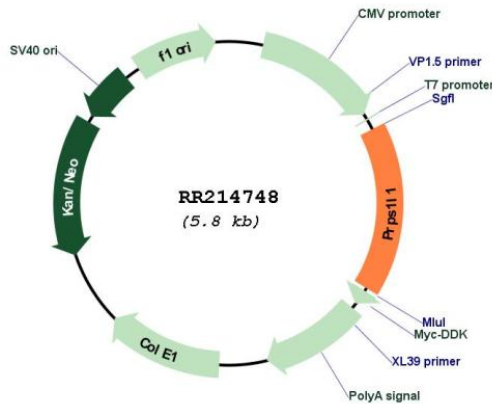
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105678

ORF Size: 954 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:	<ol style="list-style-type: none">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_001105678.1 , NP_001099148.1
RefSeq Size:	1691 bp
RefSeq ORF:	957 bp
Locus ID:	298954
Cytogenetics:	6q16
MW:	34.9 kDa