

Product datasheet for MR213479

Prps111 (NM_029294) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prps111 (NM_029294) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prps111
Synonyms:	1700011K15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213479 representing NM_029294 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAAACATCAAACCTTTCAGCGGAAGCTCCCACCAGGACTTATCCCAGAAGATTACTGAGCGCCTGG
GCCTCGAGCTCAGCAAGGTGGTCACTAAGAAGTTCAGCAACCAGGAGACCTGCGTGAAATTGGTGAGAG
TGTGCGTGGAGAAGATGTCTACATCGTTCAGAGCGGTTGTGGTGAGATCAACGACAGTCTAATGAACTT
TTGATCATGATCAATGCCTGCAAGATCGTTCAGCCAGCAGGGTGACTGCAGTCATCCCGTGCTTCCCTT
ATGCCCGCAGGATAAAAAGGATAAGAGCCGGGCTCCCATCTCTGCGAAGCTCGTAGCAAATATGCTGTC
TATAGCAGGTGCAGATCACATTATCACCATGGACCTACATGCTTCTCAGATCCAGGGTTTTTTGACATC
CCGGTAGACAATTTGATGCAGAGCCAGCTGTGCTGAAGTGGATAAAGGAGAATATTTCTGACTGGAGGA
ACTGCACGATTGTCTCTCCTGATGCTGGCGGAGCCAAGAGGGTCACTTCCATCGCGGACCATTTGAATGT
GGATTTTGCCTTGATTCACAAAGAACGGAAGAAAGCCAATGAAGTGGACCGCATGGTGCTTGTGGGTGAT
GTGAAGGATCGGGTGGCTATTCTTGTAGATGACATGGCTGATACTTGTGGTACAATCTGTTACGCGGCGG
ACAAACTTCTCTCAGAGGGAGCTACCAGAGTTTATGCCATCTTGACTCATGGCATCTTTTCTGGCCAGC
TATTGCTCGCATCAATGGCGCATGCTTTGAAGCAGTAGTAGTACAAAACACCATACTCAAGAAGACAAG
ATGAAACAGTGTAGAAAATCCAGGTGATTGACATCGCCATGATCCTTGTGAAGCCATCCGGAGAACC
ATAACGGAGAATCTGTTTCTACCTGTTTCTCAGTCACGTACCCCTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR213479 representing NM_029294
 Red=Cloning site Green=Tags(s)

MPNIKLFSGSSHQDL SQKITERLGLLELSKVVTKKFSNQETCVEIGESVRGEDVYIVQSGCGEINDSLMEL
 LIMINACKIASASRVTVAVIPCFPYARQDKKDSRAPISAKLVANMLSIAGADHIIITMDLHASQIQGFFDI
 PVDNLVYAEPAVLKWIKENISDWRNCTIVSPDAGGAKRVTSIADHLNVDFALIHKERKKANEVDRMVLVGD
 VKDRVAILVDDMADTCGTICYAADKLLSEGATRVYAILTHGIFSGPAIARINGACFEAVVVTNTIPQEDK
 MKQCSKIQVIDIAMILAEAIRRTHNGESVSYLFSHVPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9061_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_029294

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:

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_029294.2](#), [NP_083570.1](#)

RefSeq Size: 1676 bp

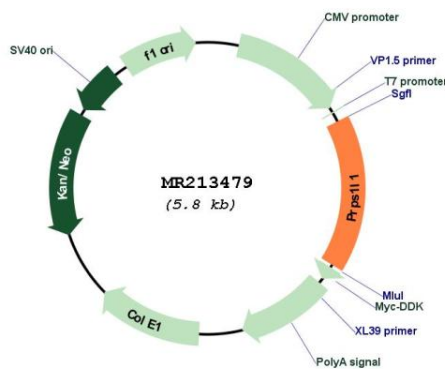
RefSeq ORF: 957 bp

Locus ID: 75456

Cytogenetics: 12 A3

MW: 34.8 kDa

Product images:



Circular map for MR213479