

## Product datasheet for **RR216121**

### Mrps7 (NM\_001100471) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Mrps7 (NM\_001100471) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Mrps7  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216121 representing NM\_001100471  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCCCCGCACTGCGCGCCGCGTGGTGGTGGGGCTGGCTCTGGGAGTGAGGTGTGCTGTCT  
GGAACCTCCAGGGATCACACAGGTGAGGTGGAGCCGCTATGCCCCGAATTCAGGGACCCCTTGATTGA  
CAAGGAACATTACCGCAAGCAGGTGTCGGAACACCGAAGAGGAGAAGTATGACCTGGAGCTCAAGAAA  
ACCCAGCTCATCAAAGCTGCGGCTGCGACTGAAACGAGCTCAGTGTTCGACAGACCCTGCATCAGCAAAT  
TCACCAACATGATGATGAAGGGGGGAACAAAGTTCTGGCCCGATCACTCATGGCCAGACTCTGGAAGC  
CGTGAAAAGGAAGCAGTTTAAAAGTACCGTGGCCCTCAGCAGAGGAACAGGCAACATTGAACGGAAC  
CCCTACAAGATCTCCACGAGGCACTGAGAAACTGTGAGCCTGTGATTGGTTGGTGCCTATCCTCAAAG  
GGGGTCATTTCTACCAGGTCCCTGTGCCTCTGGCTGACCGACCCGGCGCTTCTGGCCATGAAGTGGAT  
GATCACAGAGTCCGAGAGAACAAGCTCGACGGATGCTGATGCCAGAGAAGCTGTCGATGAGCTGCTG  
GAGGCTTTTCAACAGGGTCCCGTATCAAGAGGAAGCACAATATGCATAAGATGGCTGAGGCCAAC  
GTGCCCTGGCCACTACCGCTGGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR216121 representing NM\_001100471  
Red=Cloning site Green=Tags(s)

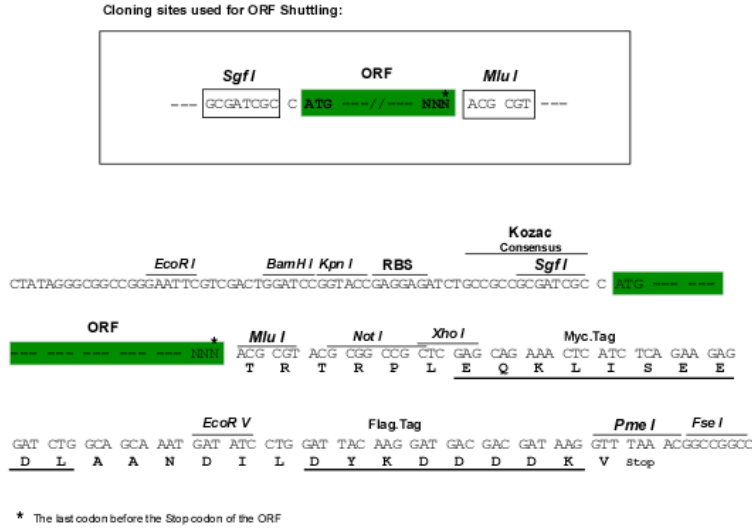
MAAPALRAARRWSGLALGVRCVWNLPGITQVRWSRYAPEFRDPLIDKEHYRKQVSELTEEEKYDLELKK  
TQLIKAAAATETSSVFADPVISKFTNMMKGGNKVLARSLMAQTL EAVKRKQFEKYRAASAEQATIERN  
PYKIFHEALRNCEPVI GLVPILKGGHFYQVPVPLADRRRFLAMKWMITECRENKPRRMLMPEKLSHELL  
EAFHNRGPVIKRKHNMHKMAEANRALAHYRWW

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

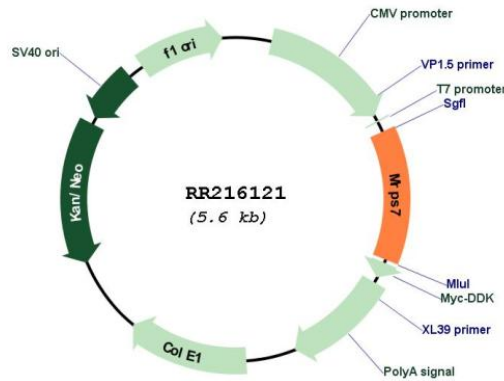


Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001100471

ORF Size: 726 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001100471.1</a></u> , <u><a href="#">NP_001093941.1</a></u>
<b>RefSeq Size:</b>	1028 bp
<b>RefSeq ORF:</b>	729 bp
<b>Locus ID:</b>	113958
<b>UniProt ID:</b>	<u><a href="#">Q5I0K8</a></u>
<b>Cytogenetics:</b>	10q32.1
<b>MW:</b>	28.2 kDa