

## Product datasheet for MR221961

### Rps4x (NM\_009094) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rps4x (NM_009094) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rps4x
Synonyms:	Rps4; Rps4-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221961 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCGTGGTCCCAAGAAACACCTGAAGCGTGTAGCTGCTCCAAAACATTGGATGCTGGATAAGTTGA  
CTGGCGTGTGGTCTCGTCCATCCACTGGTCTCACAAGCTGAGGGAATGCCTGCCTCATCATTTT  
CCTAAGGAACAGACTTAAGTATGCCCTGACTGGAGATGAAGTAAAAAGATTTGCATGCAGCGATTCA  
AAGATTGATGGAAAGTCAGGACCGATATAACCTACCCTGCTGGGTTTATGGATGTCATCAGCATTGACA  
AGACCGGAGAGAACTTCCGTCTGATCTATGACACCAAGGGTCGCTTTGCTGTTTCATCGTATTACCCGGA  
GGAGGCCAAGTACAAGTTGTGCAAAGTGAGAAAGATCTTTGTAGGCACAAAAGGAATCCCGCACCTGGT  
ACCCATGATGCTCGTACTATTCCGTACCCTGATCCCCTCATCAAGGTGAACGACACCATTAGATTGATT  
TGGAGACAGGCAAAATAACTGACTTCATCAAGTTTGACTGGGAACCTGTGTATGGTACTGGAGGTGC  
TAACTTGGGAAGAATTGGTGTAATCACCAACAGAGAGAGACATCCCGCTCTTTTGTATGGTTCATGTG  
AAAGATGCCAATGGCAACAGCTTGGCACTCGGCTGTCCAACATTTTGTATTGGCAAGGTAACAAAC  
CATGGATCTCTTCCCAGAGGAAAAGGAATCCGCCTCACCATTGCTGAAGAGAGAGACAAGAGGCTTGC  
GCCAAACAGAGCAGTGGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR221961 protein sequence  
Red=Cloning site Green=Tags(s)

MARGPKKHLKRVAAPKHWMLDKL TGVFAPRPSTGPHKLRECLPL IIFLRNRLKYALTGDEVKKICMQRFI  
 KIDGKVRTDITYPAGFMDVISIDKTGENFRLIYDTKGRFAVHRI TPEEAKYKLCVKRKFVGTGKIPHLV  
 THDARTIRYPDLIKVNDTIQIDLETGKITDFIKFDTGNLCMVTTGGANLGRIGVITNRRERHPGSFDVVHV  
 KDANGNSFATRLSNIFVIGKGNKPWISLPRGKGIRL TIAEERDKRLAAKQSSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_009094

**ORF Size:** 792 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\\_009094.2](#), [NP\\_033120.1](#)

**RefSeq Size:** 885 bp

**RefSeq ORF:** 792 bp

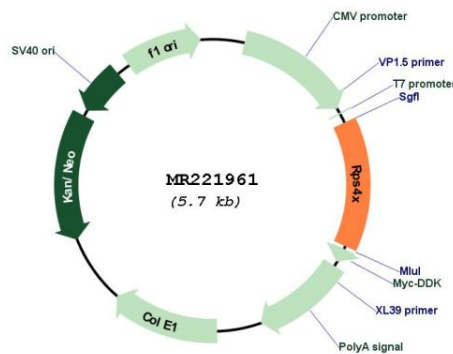
**Locus ID:** 20102

**UniProt ID:** [P62702](#)

**Cytogenetics:** X 45.2 cM

**MW:** 29.6 kDa

### Product images:



Circular map for MR221961