

Product datasheet for MR203524

Rpl7a (BC099389) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rpl7a (BC099389) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rpl7a
Synonyms:	Surf3, Surf-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203524 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCCAAAGGGAAGAAGGCCAAGGGGAAGAAGGTGGCCCCGGCCCCCGCGTCGTCAAGAAGCAGGAGG
CCAAGAAGGTGGTCAACCCTCTGTTGAGAAGAGGCCCAAGAACTTCGGCATTGGACAGGACATCCAGCC
CAAAAGAGATTTAACGCGCTTCGTCAAATGGCCCCGCTACATCAGACTGCAGCGGCAAAGAGCTATCCTC
TACAAGCGGCTCAAAGTCCCTCCTGCCATTAACCAGTTCACCCAGGCCCTGGACAGGCAGACAGCTACTC
AGCTGCTTAAGCTTGCCACAAGTACAGGCCAGAGACAAAGCAAGAGAAGAAGCAAAAGGCTACTGGCCCG
TGCTGAGAAGAAAGCTGCTGGCAAAGGGGACGTCCTCAACTAAGAGACCACCTGTCCTCCGAGCAGGAGTC
AATACAGTCAACCCTTGGTGGAGAACAAGAAGGCTCAGCTGGTGGTATTGCCCATGACGTAGACCCCA
TTGAGCTGGTGGTTTTCTACCTGCTCTGTGTCGAAAGATGGGGGTGCCCTACTGCATCATCAAGGGAAA
GGCCAGGCTGGGGCACCTGGTCCACAGGAAGACATGCACCACCGTTGCCCTCACACAGGTTAACTCGGAA
GACAAGGGTGTCTGGCTAAGCTGGTGGAAAGCTATTAGGACCAATTATAATGACAGATATGACGAGATCC
GTCGCCACTGGGGAGGCAACGTCCTGGGTCCCTAAGTCTGTGGCTCGAATTGCCAAGCTGGAAAAAGCAA
GGCTAAAGAACTCGCCACTAAATTGGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203524 protein sequence
 Red=Cloning site Green=Tags(s)

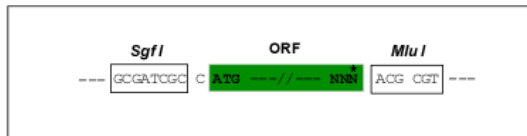
MPKGGKAKGKKVAPAPAVVKKQEAKKVVNPLFEKRPKNFGIGQDIQPKRDLTRFVKWPRYIRLQRQRAIL
 YKRLKVPPAINQFTQALDRQTATQLLKLAKHYRPETKQEKQRLARA EKKAAGKGDVPTKRPPVLRAGV
 NTVTTLVENKKAQLVVI AHDVDP IELVVFLPALCRKMGVPYCI IKGKARLGHLVHRKTCTTVAFTQVNSE
 DKGALAKLVEAIRTNYNDRYDEIRRHWGNNVLPKPSVARI AKLEKAKAKELATKLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC099389

ORF Size: 798 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: [BC099389](#), [AAH99389](#)

RefSeq Size: 880 bp

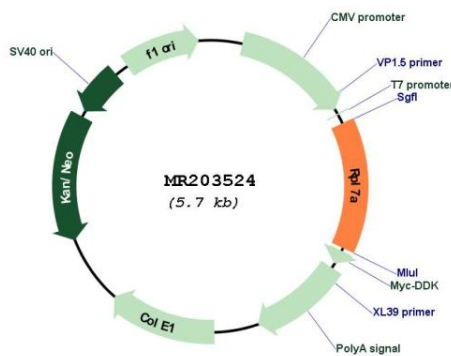
RefSeq ORF: 800 bp

Locus ID: 27176

Cytogenetics: 2 19.1 cM

MW: 30 kDa

Product images:



Circular map for MR203524