

Product datasheet for **RR203628**

Mrps28 (NM_001047909) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrps28 (NM_001047909) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mrps28
Synonyms: LRRGT00031; Mrps28l
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR203628 representing NM_001047909
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACATCCCTGCTCCCCTCGGCCCTGTGCTTTCGAGAGTCATTGTGGTATCCTATCTCCTCTGCCTTT
CCTCTGGTTCTTCTGTGAGAAGGAAAGGGAGGAGGAGGAAACAAAAGAGTATAACTTACAAATGTCTTTT
GGAGCAAACCTCCACTTTTGGTTTTGAATTAATTCAGCACAGTGTGAGTGTACAGCAGATTGTTTTGAG
TCTCCAAAACCTGTGGAATCCTTTCCTCCATGCTGAGACACTCTCCACTGACACAGATGGGGCCTGCCA
AGGACAAACTGGTCATTGGCGGATCTTTCACATCGTGGAGGATGATCTCTACATAGATTTTGGTGGCAA
GTTTCACTGTGTATGAAAAGACCAGACGTGGATGGCGAGTTGACCTGCTGTGGCAAAGTGAACATGAAC
GCCATAGAAATCGTTTTGCTGAGAATTGTGGGTTCTTCTGAAAGTCTTCAGATTAGTAATGGTCTAC
AAAGTGTCTGCACTTTGAAAGTACTGCAGGAAGGTGAAGGCCTGTACAGTTACTGTTTCAGCCATCTT
TCATTCTATTTGTTTGCAAACATGTGGGTGGGAGCTTACAAACAACCGTTAACAGACCTTTGCTCACT
GTCACAGGAGCAGGCAGTAATGAGGTCCAGCTTGACAGTGCTCACCTCTGAAGAGCCTGGATGTTGAGA
TCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR203628 representing NM_001047909
Red=Cloning site Green=Tags(s)

MHIPAPLGPVLSRVIVVSYLLCLSSGSSVRRKGRRRKQKSITYKCLLEQTSTFGFELIQHSVSVQQIGFE
 SPKPVESFASMLRHSPLTQMGPADKLVIGRIFHIVEDDLVIDFGGKFHCVKRPDVGELTCCGKVNMM
 AIEIVLLRIVVWLPESLQISNGLQSVCHFESTAGRCKACTVTVSAIFHSYLF AKHVGSLQTTVNTQTFVT
 VTGAGSNEVQLDSASPLKSLDVEIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001047909

ORF Size: 705 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_001047909.1](#), [NP_001041374.1](#)

RefSeq Size: 708 bp

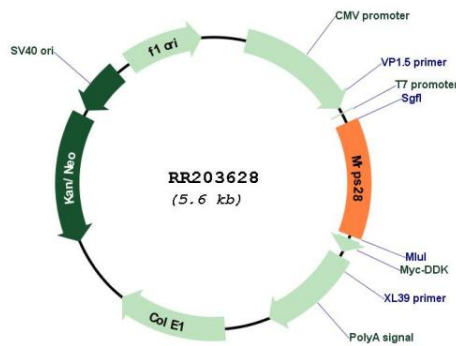
RefSeq ORF: 708 bp

Locus ID: 689025

Cytogenetics: 2q23

MW: 25.8 kDa

Product images:



Circular map for RR203628