

Product datasheet for **RR216612**

Mrps27 (NM_001199192) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrps27 (NM_001199192) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mrps27
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216612 representing NM_001199192
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCCCCATGGTGGGTGTGGGATGCTCCTGGCTCGGGGAATAGCTGCGTCTCGCCTTTCCTTGG
CAGGTAAGAGATGCCTGCTCCTCGCAGCATACGTGGACAGCCACCAGTGGGAAGCAAGAGAGAAGGAGCA
ATGCCATCTGGCTGATCTTGCATCCTTAATGGACAAAGCATATGAAAGGAAGTTGCCTGTTAGTTCTTTA
TCAATATCTCGGTTTGTGGACAACATTTTCATCTCGAGAAGATATAGACTCTGCCGAGTACTATCTTTACA
AATTTTCGACACAGTCCCAACTGCTGGTACTTGAGAGACTGGACCATCCACACGTGGATTAGACAGTGTCT
GAAATACGGAGCACCAGACAAAGCCTTGTATACACTTGTAAAGGTTTCAGTATGGAATTTTCCAGAT
AACTTTACATTCAACTTACTGATGGATTATTTCAAAAGAAAGAAAATTATAAGATGCTTTGTCTGTGG
TTTTTGAGATCATGAAGCAAGAAGCCTTTGAAGTGCCATCCACCCAGTTCCTCCTCCTCTATGTTTTATA
CCATTGCCTAGCAGAGAAGACAGACCTCACATGGGAAGAAGAAAGAGACTTCGGTGGTCCCTATTGCTT
CCAGGCCATAAAACAAAGGAACACAGTGGGCTTGGTCCAGCTGTATGGCTATGCACTTCTCGGGAAGG
TAGAACTGCAGTGTGGGCTGCGGCTGTCTACCACGGCATGCCTCTGATTTGGACACCAGGCTACCTCGA
CAGAGCCCTTCAAGTGTGGAGAGGGTGGCCTCCTCCCTGAAGATGTCAAGCTGTGTAGAGAAGTGCTC
GATGTGCTGGACGGAGTCTGAAGGTGGTGTGTCTCCAGACGGCCAGGCTTCAGAGACACAGCCCCAGG
AGGGCGAAGACAGCTTGGGCTCAGCAAACCTGGTGGAGCAGCTGGACACTGAGGAACCAGAGCAGTCCAG
GCTGCCCCAGTACCTGGAGCGGTTTCAGGCCTCTCGGTCCAAACTACAGGAGTTGAACAGAGTTGAGTGC
GAAAGCCTTCTGACTCTGACCACCCAGCTTGTAAAAGAAAACCTCCTCGCCTGTGAAGCCAGGACCTGG
CCACTTACGAGCAGAACTTCGAGAGTGGCACCAGGAGCGGATGCAGTTGGTCCAGAGGGAACAGGAACA
GAGGGAGAAGGCCAAGCAGGAGTACCAGTCCGTGAGTGCAGTGGAGAATGCAGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216612 representing NM_001199192
 Red=Cloning site Green=Tags(s)

MAAPMVRCGMLLARGIAASRLSLAGKRCLLSAAYVDSHQWEAREKEQCHLADLASLMDKAYERKLPVSSL
 SISRFDNISSREDIDSAEYYLYKFRHSPNCWYLRDWTIHTWIRQCLKYGAPDKALYTLVNVKQYGFDP
 NFTFNLLMDYFIKKENYKDALSVVFEIMKQEAPEVPTQFLSLVLYHCLAEKDLDL TWEERDFGASLLL
 PGLKQRNTVGLSSQLYGYALLGKVELQCGLRAVYHGMPLIWTPGYLDRALQVMERVASSPEDVKLCREVL
 DVLDGVLKVVMSPDGQASETQPQEGEDSLGSANLVEQLDTEEPQSRLPQYLERFQASRSKLQELNRVES
 ESSLTLTTQLVKENLSACEAQDLATYEQKLREWHQERMQLVQREQEQRKAKQEYQSLSAVENAA

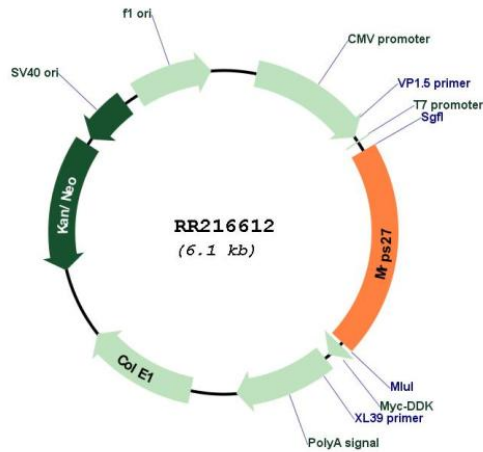
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001199192

ORF Size:	1245 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:	<ol style="list-style-type: none">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_001199192.1 , NP_001186121.1
RefSeq Size:	1345 bp
RefSeq ORF:	1248 bp
Locus ID:	361883
Cytogenetics:	2q12
MW:	47.6 kDa