

Product datasheet for **MR206888**

Mrps5 (NM_029963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mrps5 (NM_029963) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrps5
Synonyms:	1620401I16Rik; AI850294
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR206888 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGCGGCGGCCGTACGCGCTGCAGGCTGTCTCCCTGCATTGTGTAGCTTGCAGGCAGGTCATTTCTGT
 CTAGGCAACTCTCTTTAAACGCCCTTCCAGTAGCAGCCACCTCCTTTTGGCAGTGAAGACAGCTCTTAG
 CCACGGCTCATTGTATCCAGGAAACAAGGCGCAACCACTGTCTGACCAGCTTGAGCCATGTGCTACAG
 ACACAGTGCTGCGTTTCTCTCCCGGCAACTGGACGGGCCAGCAGTGCCGGCCCTACAGCTTCTTACCA
 AACTGACTGCAGAAGAGCTCTGGAAGGCGCATTAGCAGAGACTGGAGCTGGAGCAAGAAAGGCAGAGG
 CAAAAGAACAAAGAAAAAGAGGAAGGATTTGAACAGGGGCCAGATCATTGGTGAAGGGCGCTCTGGC
 TTCTGTGGCCTGGTTTGAACGTTCTCTGATAAAAAGTGGGGTCTCCAGAACATCGGCCAGAGAAGCA
 AAGAGGAGCAGCAGAAGGTGGAGGCCACCATGGTCGAGCAGCAGAGGAGTGGGACCGGAAGAGGAAGAT
 CAAAGTTAAAAGGAGCGCGGCTGGAGTGGGAACAGTGGGGGGTGTCTAGTATTGCCCCCAGACCCG
 GGACCCCAATGGAGAAACATATGAAGACTTTGATACCAGGATTCTTGAGGTAAGAAATGTCTTCAATATGA
 CAGCAAAAGAGGGAAGAAAGAGTCGGTCCGAGTCTGTTGGTGTGGGAATGGAATGGAGCTGCAGG
 TTTTGCTATTGGGAAAGCTGCTGACCGGGGAGACGCTTTCAGAAAGGCAAGAACCGAGCGATTCTTAT
 TTGCATTACATAGAACGATACGAAGGACATACAATATTCATGACATTTCCCTAAGATTCAAAGGACAC
 AGATCCGATGAAGAAACAACCCAGAGGTTACGGCCTCCGCTGCCACAGGGCCATTATCACCATCTGCCG
 CCTCATCGGCATCAAGGACATGTATCGAGGGTCCACGGGTCCATGAACATGCTCAACCTCACCCGGGC
 CTCTTCCATGGGCTTGGCCGCCAGGAAACCCACCAACATCTGGCGGATAAGAAGGGTCTCCACGTGGTGG
 AATTCGGGAGGAATGTGGGCTCTGCCTATCGTGGTGGCCTCCCACATGGGGCCTTGAGTAAGGAGCC
 GGAGCCGGAACCTGAGGTTCTGATACCAAGCTGGACTGCGAGGACGTGAAGGCCATGCAGGACTGAAG
 CGCTCTGTGTGGTTAATTTAAAGAGGCCTGCCACC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206888 protein sequence
 Red=Cloning site Green=Tags(s)

MAAAVRAAGCLPALCSLQAGHFLSRQLSLNAFPVAATSFLAVKTALSHGSLSSRETRRNHCLTSLSHVLQ
 TQCCVSSPGNWTGQCRPYSFFTKLTAEELWKGALAEAGARKGRGKRTKKKKRDLNRQIIGEGRSG
 FLWPGLNVPLIKSGVVQNIQGRSKEEQKVEATMVEQREEWDRKRIKVKRERGSNTWGGVSI GPPDP
 GPNGETYEDFDTRILEVRNVFNMTAKEGRKKSVRVLVAVGNNGAAGFAIGKAADRGDAFRKAKNRRAIHY
 LHYIERYEGHTIFHDISLRFKRTQIRMKKQPRGYGLRCHRAIITICRLIGIKDMYARVTGSMNMLNLTRG
 LFHGLARQETHQLADKKGLHVVEFREECGPLIVVASPHGALSKEPEPEPEVPDTKLDWQDVKAMQGLK
 RSVWFNLKRPAT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_029963

ORF Size: 1296 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_029963.1](#), [NM_029963.2](#), [NP_084239.1](#)

RefSeq Size: 1448 bp

RefSeq ORF: 1299 bp

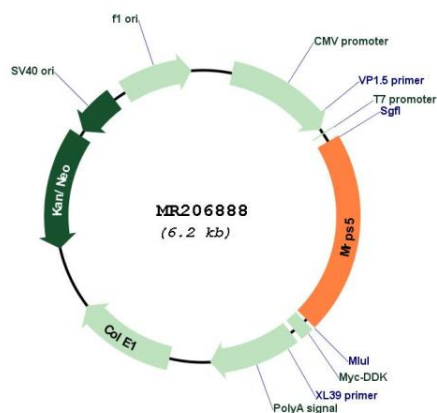
Locus ID: 77721

UniProt ID: Q99N87

Cytogenetics: 2 F1

MW: 48.2 kDa

Product images:



Circular map for MR206888