

Product datasheet for **RR205588**

Man2b2 (NM_001134971) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Man2b2 (NM_001134971) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Man2b2
Synonyms:	Ab2-450
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205588 representing NM_001134971 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCGCTGCGCTGGCTGCCGCTGCTCGGCCAGCTATTGCTGCTGTGGCCGCTGGCGGCCGGCCCG
CCAGCCCCATCCGGGCCCTTTGTGGTGCCCCACAGTCACATGGACGTGGGCTGGGTCTACACGGTCCAGGA
AAGCATGCGGGCCTATGCAGCCAATGTCTACACCACCGTGGTGGAGAACTGGTCCGAGGCAGGCAGCGC
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CAACATCCACCTCTACGCTGAGGCTCTGGTGGCCAACTTAACAGAGGGCCGCATGGTTCCGGACTCCC
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AGGACCCTTCTGCGTATGACCTGCTCATCCTGACCACCATCCCAGGCCTCAGCTACCGGTAACAAGT
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ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>RR205588 representing NM_001134971
 Red=Cloning site Green=Tags(s)

MGPLRWLPLLGQLLLWPLAARPAASPIRAFVPHSHMDVGVVYTVQESMRYAANVYTTVVEELVRGRQR
 RFIAVEQEFFRLWWDGVASEQQKQVVRQLLDEGCLFVLLGGQVMHDEAVTHLDDQILQLTEGHGFLYETF
 GIRPQFSWHVDPFGASATPTLFLSLAGFNAHLISRIDYDLKDAMQEAQGLQFVWHGSPSLSEQQEYTHV
 MDLYSYCTPSHIPFSNRSGFYWNGVAVFPEPPPDGVYPMSEPVTVDNHLYAEALVANIKQRAAWFRTP
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 SSEPQQAWTGFYTSRSTLKGLARQASALLYAGESMFTRYMWPMPRGTLDPWTALQQLQRLWAVSEVQHH
 DAITGTESPKVKNMYEHL SMGMRGVHKL MASIALDRSPGSGDTRPVGYSASVYNPLAWKITTTITLTV
 AFPSVSVTDELGRPVSQIQNSTKDPSAYDLLILTTIPGLSYRYKVRRLGDQAGTRELVTPRANTLKF
 SRKLRNQT SQEGKLLVPVMNDCTLLFDQDTNMLHSIQDRQSNRTVHMTQEFLEYRANGDVKQGPISDNY
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 VGPLDLNREAILRTSSDLNSQQVLYSDNNGYQMQRPPYKAFKSNPIPRNYPMVQSAFIEDDKSRLVLLA
 ERPHGVSSQENGQVEVMLHRRLLWNLVWDLNLYNLTLNDTSVVHPVLLWLLGPKSTTALRPRSGVALQHR
 PVVLLKELTDEEETAIHRPHHPVPTLPPSLHLQVLSLRGWQYSRHAQHLKNLQRGHPEKPVNLQRVL
 LRLHHL YEAGEDPVL SRPATVDLKIARGLG SVVAVEERSLTGTWDVQTLQRWHWRKIGQLKGHPTSP
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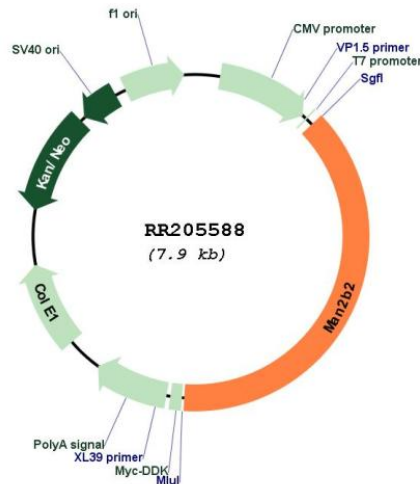
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134971

ORF Size: 3012 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:	<u>NM_001134971.2</u> , <u>NP_001128443.1</u>
RefSeq Size:	3267 bp
RefSeq ORF:	3015 bp
Locus ID:	360955
Cytogenetics:	14q21
MW:	114.9 kDa