

Product datasheet for **RR203699**

Matn3 (NM_001108013) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Matn3 (NM_001108013) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Matn3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR203699 representing NM_001108013
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGTTCTCAGCCCTTTACGCAACCTCCCGGACTTCTGCTGCTGCTCTGGCCGCTGTACTCTCTGC
 CGCCCCGGCTGCTCCTGGACGTTTGACCCGCGGAGTGTCCGCCGACTGGGACAAAGAGTCCCCGGGG
 CAGCCCTGGGCATTTCTCTGCTCGGGCTACTTCCACCCGCGGCCATATCCGGGGTCCGTGGCTCAGGT
 GTTTGCAAGAGCAGGCCTTTGGACTTGGTCTTTATCATCGACAGTTCTCGTAGCGTCCGGCCTCTGGAAT
 TCACCAAGGTGAAGACCTTTGTCTCCCGCATATTGACACTCTGGACATCGGGGCCACAGACACGAGGGT
 GGCTGTGGTGAATATGCCAGCACCGTGAAGATAGAGTTCAGCTCAACACCTATTCAAATAAGCAGGCC
 CTGAAACAGGCTGTGGCACGGATCACACCCTTGTCAACCCGCCACCATGTCAGGGCTAGCTATCCAGACAG
 CAATGGAAGAAGCCTTACCCTGGAGGCTGGAGCTCGGGGCCACATCTAACATCCCAAAGGTAGCTAT
 TATCGTGACAGATGGGAGCCCCAGGACCAGGTGAATGAGGTGGTGTCCCGAGCCCGGGCATCTGGCATT
 GAGCTGTACGCTGTGGGTGTGGACCGGGCAGATATGGAGTCCCTCAAGATGATGGCTAGCAAGCCCTGG
 AAGATCACGTCTTCTATGTGGAGACCTATGGGGTCAATTGAGAAGCTCTCGGCTAGATTCCAGGAAACCTT
 TTGTGCTCTGGACCAGTGCATGCTTGGCACACACCAGTGTGAGCAGTGTGCGTCAGCGATGGTGTGGC
 AGGCATCACTGCGAATGTAGCCAAGGGTATACCTTGAACGCTGATGGGAAAACGTGTTACGCCATTGATA
 AGTGTGCCCTCAACACTCATGGATGTGAACAGATCTGTGTCAACGACAGAAAATGGTCTTACCACTGCGA
 GTGCTATGAAGGTTACACATTGAATGCAGACAGGAAAACATGTGCAGCTCAGGACAAATGCGCCTTGGGT
 ACACACGGTTGCCAGCACATCTGTGTGAATGACGGAGCCGGTCCCATCACTGTGAATGCTTTGAAGGCT
 ACACCTGAATGCAGATAAGAAGACATGTTCCAGTCCGAGACAAGTGTGCTCTGGGACTCATGGCTGCCA
 GCACATCTGTGTGAGCGATGGAGCAGTGTCTACCCTGACTGTTCCCTGGCTATACCTTGAATGAT
 GACAAGAAGACATGTTCCAGACATTGAAGAAGTCCGAAGCCTCATTCTATAGAAGATGCCTGCAGCTGTG
 GGGCCACACTGGCATTCCAGGAGAAGGTGAGTCCCATCTCCAGAAGCTGAACACCACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203699 representing NM_001108013
 Red=Cloning site Green=Tags(s)

MLFSALLRNLPGLLLLLWPLLLLPPPAAPGRLTRASVRRLLGTRVPGGSPGHFSARATSTRAPYSGVRGSG
 VCKSRPLDLVFIIDSSRSVRPLEFTKVKTFVSRIIDTLDIGATDTRVAVVNYASTVKIEFQLNTYSNKQA
 LKQAVARITPLSTGTMSGLAIQTAMEEAFTVEAGARGPTSNIPKVAIIVTDGRPDQVNEVAARARASGI
 ELYAVGVDRADMESLKMASKPLEDHVFYVETYGVIEKLSARFQETFCALDQCMLGTHQCQHVCVSDGDG
 RHHCECSQGYTLNADGKTCSAIDKCALNTHGCEQICVNDNRNGSYHCECYEGYTLNADRKCAAQDKCALG
 THGCQHICVNDGAGSHHCECFEGYTLNADKKTCSVRDKCALGTHGCQHICVSDGAVSYHCDCFPGYTLND
 DKKTCSDIEEVRLISIEDACSCGATLAFQEKVSSHLQKLNTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001108013

ORF Size: 1389 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_001108013.1](#), [NP_001101483.1](#)

RefSeq Size: 2003 bp

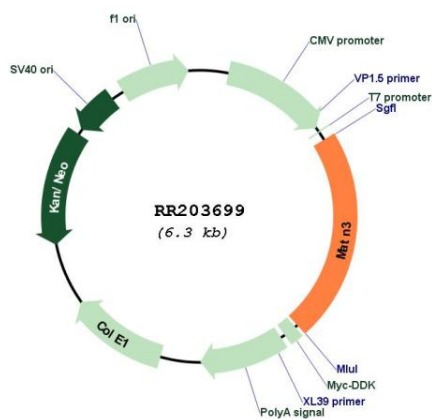
RefSeq ORF: 1392 bp

Locus ID: 313954

Cytogenetics: 6q14

MW: 50.1 kDa

Product images:



Circular map for RR203699