

Product datasheet for MR212111

Trophinin (Tro) (NM_001002272) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trophinin (Tro) (NM_001002272) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trophinin
Synonyms:	AA409408; Maged3; Maged3l; magphinin; Tnn; Trol
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212111 representing NM_001002272, codon optimized . Due to the complexity of NM_001002272, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGATCTGCC
GCC**CGCATCGCC**

ATGGACAGGAGGAACGACCATGGCCACCGAGTGCCAACATTCCAAGGGCCACTGCCCCCTGCAGGAAGCC
TCGGTCTTCCATTCTCTCCTGACGTGCAGAGCGAAACGACAGAAAAAGATCCCCCAATTGCCTCTAGGTC
CAAAAAAACAAAAATAAAAAATTCCATCAAACCAATGGATAAGACGACCCCTGCCACCCCCCGTC
CCCAGCGCAATGACAACGCCTCCAACAACCGAAAGTCACACTGCAGGCTCTGAACTTGCCCATGTTTA
CGCAGATTTCCAGGCCTCAGCTACTACCGAAGCTCCGAACATTCAGCTTCCGTGACAAGTCAGACCCA
AAAAGCTAAAACCATGCGCGTGACACCCAAAGTCTCCCTTACCGGCTCTGAGGACGCCACAACGCAACTG
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CAAAACGGTTCCTTCCGCGCGGAGATCTCTCGCTTCTGCTGTACCCATACAGTGACCACACAAGGA
CAGGCTGCTAAGGAGACAGGCAATTCAAACCATCGCCGCGACTGCCGATCCAAGAAAACTCCAAGG
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CTCCAGCCGACAGATCGGGGCAAGCGGCAGACAGACGGAAGCTAGTAATAGGCAGATCGAGGCAAGCTCC
CGGCAGACCGAGGCTCTAACAGACAGACTGAGGCTTCTCCCGCAGACTGAGGCTTCTCACGACAGA
CCGAAACGAGCAACCGCAAATAGGCGCAAGCAATAGGCAGATAATGGCTTCCAATCGCCAGATAGGCGC
ATCCAATCGCAGATCGAGGCCAGCAATCGACAAATCGGCAGTAACCGACAGACTGAGGTGTCTAGT
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TAGGGGCTTCCAACCGCCAGACCGAGGCCTCCAACCGGCAGATTGGCGCTTCAAACCGCCAAACCGACGC
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 CGTCAACTAGCGACCGTTTTGTAACTGCCTCAATATCTTTCGGCGGTGCTCCAGCACCAGCAGCATC
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ATCACACGGGGGTGCGGGTTCCCTATGGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR212111 representing NM_001002272
 Red=Cloning site Green=Tags(s)

MDRRNDHHRVPTFQGGLPPAGSLGLPFSPDVQSETTEKDPPIASRSKKNKKNKNSIKPMDKTTAPPVV
 PSANDNASNPKVTLQALNLPMTQISQASATTEAPNIQASVTSQTQKAKTMRVTPKVSLTGSSEDATTQL
 KPPLQALNLPVTTPTIQTIPVANESANSLASTAVNKSKKASTANNAANKTVPSAAEISLASAATHTVTTQG
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 RQTEASNRQTEASSRQTEASSRQTEASNRQIGASNRQIMASNRQIGASNRQIEASNRQIGASNRQTEVSS
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 ISTSASF GGLNNSASF GGAI NTSASF GGVLNNSAGFGGAI NTSANFGGAL TNSAGFGGAI STSASF GGA
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 FGNGLSTAGFGNGLGTSAGFGSSLGTSTGFGGSLGPSASFNGGLGTSTGFGGGLGTSTDFSGGLNHNAD
 FNGGLGNSAGFNGGLNTNTDFGGLGTSAGFGDGLGSSTFGAGLVTSDFAGNLGTNTGFGGTLGTGAG
 FSVSLNNGNGFGNGPNASFNRLNTIIGFGSGSNTSNGFTGEPNTGSSFSNGPSSIVGFSGGPSTGAGFC
 SGPSTGGFGGGPSTGPGFGGPSTGPGFGGPSTGGFGGPNTGGFGGPSTGGFGGPSTGGFGGPSTGG
 FGGPSTAAFGSGLSTSTGFGGGLNTSAGFSGGPPSTGTGFGGGASSHGCGFPYG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001002272

ORF Size: 6261 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_001002272.1](#), [NM_001002272.2](#), [NM_001002272.3](#), [NP_001002272.1](#)

RefSeq Size: 7204 bp

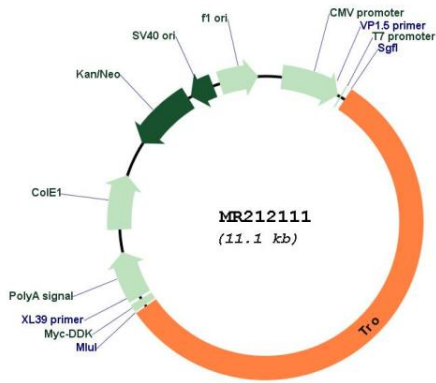
RefSeq ORF: 6264 bp

Locus ID: 56191

Cytogenetics: X F3

MW: 206 kDa

Product images:



Circular map for MR212111