

Product datasheet for **MR212127**

Trim58 (NM_001039047) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trim58 (NM_001039047) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Trim58
Synonyms:	Gm16; Gm1783
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR212127 representing NM_001039047
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCACGGCACCCGGGAGCGACTGCAGGAGGAGCGCGGTGCTCCGTGTGCCTGGACTTCTGCAGG
 AGCCCATCAGCGTGGACTGCGGCCACAGCTTCTGTCTGCGGTGCATCTCGGAGTTCTGCGAGAAGTCGGA
 CAGCGCTCAGGGCGTCTACGCCTGTCCCAAGTGCAGGGTCCCTTCAGGCCCGCCAGCTTACAGCCAAAC
 CGGCAGCTGGCCAGCCTGGTGGACAGCGTGCAGCAGTGGGGCTGGGCACGGGACACGGGGTTCGCGTC
 AGTGTGCGAGGCACGGTGGAGCCTGAGCCACTTCTGTGAAGAGGACCAGACGATGCTGTGCTGGTCTG
 CGATACCAGCCCTGAGCACCGGAGCCACCGCACGGAGACGATGCAGGAGGCTGCCAGCCGCTACCAGAGG
 ATGCTCCGAGCGTCTTTGAACTTGTGAAGAAGGAAATGGAGGAGGCTCTGACCCAGGAGGCCAACGTGG
 GAAAAAGACCATCATCTGGAAGGAGAAAGTGGAGATGCAGAGACAACGTTTCAGGCTGGAGTTTGAGAA
 ACACAGAGGGTTTCTGGCCAGGAGGAGCAGCTACAGCTGAGGCGGCTGGAAGAGGAGGAGAGCAACC
 CTGCAGAGACTGCGTGACAGTAGGAACAGGCTGGCCCAACAGAACAAGGCCCTGAGGAACGGCTGAGGA
 GCTGGAGGAGAGGAGCCAGCGGCCAGCCCAAGGCTGCTGGAGGAGCGAGAGGAGGTTTACACGATG
 TGAGGCTATCACAAGGCTGGAACAGAGGCTGTCCCTATGGACCTGAAGACTGTGTGCCGCATCCCTGGG
 ATGAGGGAGATGCTGAGGAAGTTCCAAGTCGACGTGAAGCTGGATCCGGCCACTGCTCACCAAGCTTGC
 TCTTAAGTGGGACCTGCGCAGTGTACAGGATGCCGAGGCTGGAGGGATGTTCCAGCAACCCTGAGCG
 CTTTGACACCTGGCCTTGCATCCTGGGCTGCAGGCTTCTCTCCGGGAGGCATTACTGGGAAGTCATC
 GTGGGGAAAGAGCAGAGTGGGGCTAGCGCTGCGCAGACTCAGTGTGAGAAAAGGGGAGACCACAC
 CGTCCCCAGAGAACGGCGTCTGGCCATGTGGCTGCTGAGGGGGAACGAGTACATGGTCCCTGCTCCTCC
 CTGCGTGCCTGTGCTCCAAGATGAGCGACTCGCCGCATCGGGATCTTTTGGACTACGAAGCTGGTGAA
 ATCTCCTTCTACAATGTCAAAATGGGTCTTACATCTACACATTCAACCATCTTCTCCGGCGTTCTCA
 GGCCCTACTTCTCGTCTGCGACAGACTCCTCTTATCTTGCCTCCCATGACAGAAGCAGCGCTGGAAA
 CTGGACGCCAGGGTATCTTTGATCTTGTGCTGCTGCCAGAAGTGAGGAATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212127 representing NM_001039047
 Red=Cloning site Green=Tags(s)

MATAPGERLQEEARCSVCLDFLQEPISVDCGHSFCLRCISEFCEKSDSAQGVYACPCRCRGPFRPASFRPN
 RQLASLVDSVRQLGLGTGHAGSRQCARHGEDLSHFCEEDQTMLCWVCDTSPEHRSHRTETMQEAASRYQR
 MLRASLELVKKEMEEALTQEANVGKKTIIWKEK VEMQRQFRLEFEKHRGFLAQEEQLQRRLEEEERAT
 LQRLRDSRNRLAQQNKALRNWLRWRRGASGQPQGCWREREVLRCEAITRLEPEAVPMDLKTVCRIPIG
 MREMLRFQVDVKLDPATAHPSLLLADLRSVQDAEVWRDVPSPNPERFDTWPCILGLQGFSSGRHYWEVI
 VGERAEWGLGVCRDVLRKGETTPSPENGVWAMWLLRGNEYMVLSSPSPVQLQDERPRRIGIFLDYEAGE
 ISFYNVTNGSYIYTFNHLFSGVLRPYFFVCDTTPILPMTAEPGNWTPRGIFDLAAAARSEEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001039047

ORF Size: 1455 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_001039047.1](#), [NP_001034136.1](#)

RefSeq Size: 2192 bp

RefSeq ORF: 1458 bp

Locus ID: 216781

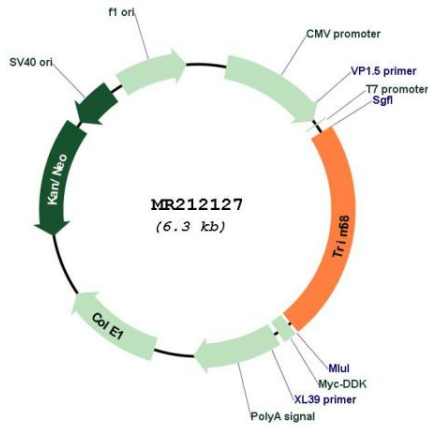
UniProt ID: [Q5NCC9](#)

Cytogenetics: 11 B1.3

MW: 55.8 kDa

Gene Summary: E3 ubiquitin ligase induced during late erythropoiesis. Directly binds and ubiquitinates the intermediate chain of the microtubule motor dynein (DYNC1LI1/DYNC1LI2), stimulating the degradation of the dynein holoprotein complex. May participate in the erythroblast enucleation process through regulation of nuclear polarization.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212127