

Product datasheet for MR205559

Tlnrd1 (NM_030705) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlnrd1 (NM_030705) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tlnrd1
Synonyms:	AW061151; Mesdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205559 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTAGCGGCAGCGCCGGGAAGCCCACTGGCGAGGCGGCTTCTCCGGCTCCTGGGAGCGCCGTCCGGC
GGGCCAGCTCGCAGCCGCGGAAGAGGCTGGTATCTATCTGTGATCACTGCAAGGGCAAGATGCAGCTGGT
GGCCGACCTGCTGCTGTCTAGCGAGGCGCGCGGTCTTCGAAGCCCCGCTCCCTGGCGCT
GGTGCGGAGTCTTCGAGCAGTCCGGGACACCATCATCGCGCGCACTAAGGGGTGTCCATCCTCACCC
ACGACGTGCAGAGCCAGCTCAACATGGGCCGCTTCGGAGAGGCGGAGACAGTCTTGTGGAAGTGGCGA
CTTGGTGGTGTGCTGACCGAGTGTTCGCACATGCGGCCCTACCTGGCAGCCGTGGCCACACCGGGCGCT
CAACCTGCACAGCCAGGCTTGTGGACCGCTACCGTGTGACACGCTGCCGCCACGAGGTAGAACAAGGCT
GTGCTGTGCTGCGAGCCACCCCACTGGCGGACATGACCCACAGCTGCTGCTGGAGGTGTGCGAGGGCT
GTCTCGAAACCTCAAGTTCCTGACGGATGCGTGCGCCCTAGCCAGTGACAAGTACGCGGACCGCTTCTCG
CGCAACAGTTCAAGCTGGGCGTCAAGTGCATGAGCACTAGTGCATCCGCGCTGTTAGCATGCGTACGCG
AAGTGAAGGCGGCACCCAGCGAGCTGGCCCGCAGTCGTTGCGCGCTTTCAGTGGGCCCTTGGTGCAGGC
GGTGAGCGCTTGGTGGGCTTGGCACCCAGCCTCAATTCTGGTCCGCGAGCTGCCGTGAGCACTGAG
GGCAAGGCGGTGCAGACCCTCCTGGGAGGTGCCATGAGTGTGGTGTGCGGCTGCGTCTTGACCC
AGTGCCTCAGGGATCTGGCGCAGCACCCAGATGGGAGCGCAAGATGTCGGACCACAGGGAGAGGCTGAG
GAACTCGGCTGCGCCGTGTCTGAAGGCTGCACCTGCTATCTCAGGCTTAAAGGAAAGGTCTTACCC
AGGACTTTACCGCCAGTGAATCCAATTCTGTGAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205559 protein sequence
Red=Cloning site Green=Tags(s)

MASGSAGKPTGEAASPAPGSAVGGASSQPRKRLVSI CDHCKGKMQLVADLLLLSSEARPVLFEGPASP
 GAESFEQCRDTIIARTKGLSILTHDVQSQLNMGRFGEAGDSLVELGDLVVSLTECSAHAAYLAAVTPGA
 QPAQPLVDYRVRTRCRHEVEQGCAVLRATPLADMTPLQLLEVSQGLSRNLKFLTDACALASDKSRDRFS
 REQFKLVKCMSTSASALLACVREVKAAPSELARSRCALFSGPLVQAVSALVGFATEPQFLGRAAAVSTE
 GKAVQTAIILGGMSVVSACVLLTQCLRDLAQHPDGSAKMSDHRERLRNSACAVSEGCTLLSQALRERSSP
 RTLPPVNSNSVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_030705

ORF Size: 1089 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_030705.1](#), [NM_030705.2](#), [NM_030705.3](#), [NM_030705.4](#), [NP_109630.1](#)

RefSeq Size: 3847 bp

RefSeq ORF: 1089 bp

Locus ID: 80889

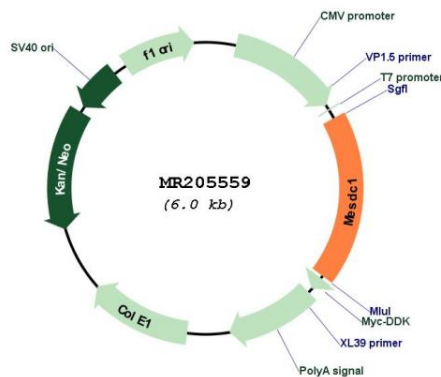
UniProt ID: [Q9ERE8](#)

Cytogenetics: 7 D3

MW: 37.8 kDa

Gene Summary: Actin-binding protein which may have an oncogenic function and regulates cell proliferation, migration and invasion in cancer cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205559