

Product datasheet for **MG205559**

Tlnrd1 (NM_030705) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tlnrd1 (NM_030705) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tlnrd1
Synonyms:	AW061151; Mesdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205559 representing NM_030705 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAGCGGCAGCGCCGGGAAGCCACTGGCGAGGCGGCTTCTCCGGCTCCTGGGAGCGCCGTCCGGC
GGGCCAGCTCGCAGCCGCGGAAGAGGCTGGTATCTATCTGTGATCACTGCAAGGGCAAGATGCAGCTGGT
GGCCGACCTGCTGCTGTCTAGCGAGGCGGCGGCTCTTCGAAGCCCCGCTCCCTGGCGCT
GGTGCGGAGTCTTCGAGCAGTGCCGGGACACCATCATCGCGCGACTAAGGGGTGTCCATCCTCACCC
ACGACGTGCAGAGCCAGCTCAACATGGGCCGCTTCGGAGAGGCGGAGACAGTCTTGTGGAAGTGGCGA
CTTGGTGGTGTGCTGACCGAGTGTTCGCACATGCGGCCCTACCTGGCAGCCGTGGCCACACCGGGCGCT
CAACCTGCACAGCCAGGCTTGTGGACCGCTACCGTGTGACACGCTGCCGCCACGAGGTAGAACAAGGCT
GTGCTGTGCTGCGAGCCACCCACTGGCGGACATGACCCACAGCTGCTGCTGGAGGTGTGCGAGGGCT
GTCTCGAAACCTCAAGTTCCTGACGGATGCGTGCGCCCTAGCCAGTGACAAGTACGCGGACCGCTTCTCG
CGGAACAGTTCAAGCTGGGCGTCAAGTGCATGAGCACTAGTGCATCCGCGCTGTTAGCATGCGTACGCG
AAGTGAAGGCGGCACCCAGCGAGCTGGCCCGCAGTCGTTGCGCGCTTTCAGTGGGCCCTTGGTGCAGGC
GGTGAGCGCTTTGGTGGGCTTTGCCACCGAGCCTCAATTCCTGGGTCGCGCAGCTGCCGTGAGCACTGAG
GGCAAGGCGGTGCAGACCGCCATCCTGGGAGGTGCCATGAGTGTGGTGTGCGGCTGCGTCTTGACCC
AGTGCCTCAGGGATCTGGCGCAGCACCCAGATGGGAGCGCCAAGATGTCGGACCACAGGGAGAGGCTGAG
GAACTCGGCTGCGCCGTGTCTGAAGGCTGCACCCCTGCTATCTCAGGCTTTAAGGAAAGGTCTTACCC
AGGACTTTACCGCCAGTGAATTCGAATTCTGTGAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205559 representing NM_030705
 Red=Cloning site Green=Tags(s)

MASGSAGKPTGEAASPAPGSAVGGASSQPRKRLVSI CDHCKGKMQLVADLLLLSSEARPVLFEGPASP
 GAESFEQCRDTIIARTKGLSILTHDVQSQLNMGRFGEAGDSLVELGDLVVSLTECSAHAAYLAAVATPGA
 QPAQPLVDYRYVTRCRHEVEQCAVLRATPLADMTPLQLLEVSQGLSRNLKFLTDACALASDKSRDRFS
 REQFKLVKCMSTASALLACVREVKAAPSELARSRCALFSGPLVQAVSALVGFATEPQFLGRAAAVSTE
 GKAVQTAILGGAMSVVSACVLLTQCLRDLAQHPDGSAKMSDHRERLRNSACAVSEGCTLLSQALRERSSP
 RTLPPVNSNSVN

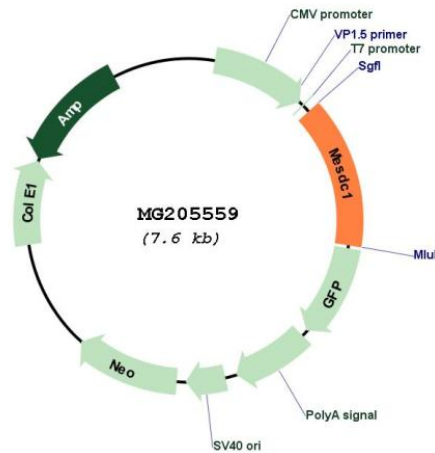
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_030705

ORF Size:	1086 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:	NM_030705.2 , NP_109630.1
RefSeq Size:	3793 bp
RefSeq ORF:	1089 bp
Locus ID:	80889
UniProt ID:	Q9ERE8
Cytogenetics:	7 D3
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]