

Product datasheet for SC112451

TLNRD1 (NM_022566) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: TLNRD1

Synonyms: MESDC1

Mammalian Cell None

Selection:

Vector: pCMV6-XL5

E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF within SC112451 sequence for NM_022566 edited (data generated by NextGen Sequencing)

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ATGGCTAGCGGCAGCGCGGGAAGCCCACTGGCGAGGCGGCTTCTCCGGCTCCTGCGAGC
GCCATCGCGGGGCGCAGCTCGCAGCCGCGGAAGAGGCTGGTATCCGTCTGCGACCACTGC
AAGGGCAAGATGCAGCTGGTGGCTGACCTGCTGCTGCTGTCGAGCGAGGCGGCGCCGTG
CTCTTCGAGGGCCCGCTCCTCTGGTGCCGCGCCGAGTCCTTCGAGCAGTGCCGGGAC
ACCATCATCGCGCGACCAAGGGGCTCTCCATCCTCACCCACGACGTGCAGAGCCAGCTC
AACATGGGCGCTTCGGGGAGGCGGGGACAGCCTGGTGGAGCTGGGCGACCTGGTGGTG
TCGCTGACCGAGTGCTCGGCCACGCGGCCTATCTGGCCGCTGTGGCCACGCGGGCGCC
CAGCCCGCGCAGCCGGGCTGGTGGACCGCTACCGCGTGACGCGATGCCGCCACGAGGTG
GAGCAGGGTTGCGCGGTGCTGCGCGCCACGCCGCTGGCCGACATGACGCCGACGTGCTG
CTGGAGGTGTGCGAGGGCTGTGCGCAACCTCAAGTTCCTGACGACGCGTGCGCCCTG
GCCAGTGACAAGTACGGGACCGCTTTTCGCGGGAGCAGTTCAAGCTGGGCGTCAAGTGC
ATGAGCACCAGCGCGTGGCGCTGCTGGCCTGCGTGCGCGAGGTGAAGGTGGCGCCAGT
GAGCTGGCGCGCAGCCGCTGTGCGCTCTTCAGCGGGCCCTGGTGCAGGCAGTGAGCGCC
CTGGTAGGCTTCGCCACCGAGCCGAGTTCTGGGTCGCGCGCAGCTGTGAGCGCCGAG
GGCAAGGCGGTGCAGACCGCCATCCTGGGCGGCGCCATGAGCGTGGTGTGCGCCTGCGTG
CTCCTGACCCAGTGCCTCAGGATCTGGCGCAGCACCCGACGGGGGCGCCAAGATGTCG
GACCACAGGAGAGGCTGAGGAACCTCGGCCTGCGCCGTGTCTGAAGGCTGCACCCTGCTA
TCTCAGGCTTTAAGGGAGAGGTCTTCGCCAGGACTTTACCGCCAGTGAATTCCAATTCT
GTGAATTAG
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Clone variation with respect to NM_022566.2



5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_022566 unedited
 TGTCGNAATTTGTATACGACTCCTATAGGGCGGCCGCGATTGCGCACGAGGGGGCGTGCC
 GCCGCGGCCCGGGCCGCGCTCTGTGAACCGCGGAGGCGGGAAGGGGCCCGCTGGTGCT
 CGGCACGCCCCGGGCGTGTGGCGGGCGGGCGAGAGCTTGAGCGCATCCGGGCGGCCGCTG
 TGCACAATCAGTGACGGCTCCCGCCGACTCTGACTCGGCGCGGCCGACAGTGCCGGC
 CACACCCTCTGCCCGCTGCCGCGGCCGCTTCCCAAGAGCTGGAGGCAGGAGATGCG
 CCCGGGCGGCCGCGCTCCAGAGAGCCAGCCCCGGCCGCTCGCGGGAAGTGCCGC
 CTGGTGGGGTCACGGCGCTGAAGCCACGTGCGCCGCGAGCCGAGGTGGCCTCGAGC
 GCGGGCGGTGACAGCACAGCCGCTGAGCTGCCTCCCGCGCTCCTCCCGAGGAAAGGA
 TTTTGATTTCAAAGAAAGGAAGGAAGGAAGGACAACCTCCAGCTTCCCCGTCCCGCCCTC
 CCCGCTCCGAGGGCCGCCAGGCCATGCCAAGAAGCGGCGGCGGGCGCAACACGA
 GAAGGGACTTTCTGGCAGCCCGCGACGAGGAGCGCGGACAGTGAGTTTGCTCTGCCCG
 GGTTTCATGGTTCCCTGCAGCCCTCTNAGAGGCCGAAAGCTGCAGCCCTCCCTTGCCCC
 GAAGAGCCTTCGCGTTCTCTCNGCCTCGGGCCACCCCGCGCCGCGGGCTCCCGCCG
 NCGCAGCCAGTGCCCTCTGCCGCGNCGGNTGGATGGCATGATGGTGCCGGGGAAAGG
 CACCGCGGCTTTGGGAGCTATTCGCCGACCGCCCGCGAAGCGGCNGCAGTTGCC
 GCGCACCGCGTGGGNTAACGGGGTCCCAACGGNATGCCAGTGCCCCGGCGGCGAC

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_022566 unedited
 GCGGCCGAATTTANAGTCGAGTTTTTTTTTTTTTTTTCATCTGAGAAACATAACATT
 TTAATAGATGAAATAAACTCCAGTACATGCAAGTAAAACTTGACGTTGGGGGAAAA
 AAAAATCACTCTATAGTGTAAATTAATAAAAAACACAGCTCACAGTAGCTTCCCCCATTT
 GCAAATCACATGGCAAATTCATACTTTCCACACCAAGTATACTCCTAATCAACACGA
 TTGCTTAAAAAAGAGACATAAAAAAAGGTAGCTACATCCATGTCTAAGGAGTG
 AAAACTGAGGTAACCTTTCTTTAATTAATAAACAAAAAATAAATGAAATGAACCCA
 TGACCTCCTTCTGCCAATAATGAAATTTAGTTGAGAAATTCGGAAGACGGGCTGGGG
 TAGGGGGTGGGAGTGATAACACAACCAGCAGATGACATATCTCCAGTCCCTACTGCATG
 GGGGCTGGTGGAGAGACCTGGGCCCTCAAGTGCGTGTGCAGGTTGTGCGCATGGCCC
 TGCTTGTGGAAGATTCTTCTGAGCATTTACCGTTGGGGAGGGTCGGGGGCTACCCATT
 ACCTCTCTGCCCTAAATGCAGAGGGCCATAAAGTAGCCCCCTCCTTACCCTGCGGGCGG
 AATAAGGTGCATGTGGTGGGGCCCTTCCCCCCCCATCGTATTCTCTCGCCTCCTTTCT
 CTTATCTCCATCTCACTCCCCGCTCCGCTTCACTCTACTTGTCCCTTTCTATCTT
 NTTGCTCCCCCTCATCTTCTTCCCTCTCTCCATCCCCCTCCTTATCACTTAC
 TATCCGCTACCCCATCCGTCGCGCTCTCACTCTCCCTCCTCGCCTGTCCCCGTCTCT
 CTCTCCCCGTTACCCCTACTCTCTCCCTCGTATCCTTTCTCCCTATTTCTTCTCTA
 TTTCTTCTTTTCCCTTCTCTTCCCGCCCGCTTCTTCCCTTCCCTTTCTCTTC
 CCTCGCCATTTCCCTTCCCACTTCCCTTCG

Restriction Sites:

NotI-NotI

ACCN:

NM_022566

Insert Size:

2400 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_022566.1, NP_072088.1</u>
RefSeq Size:	2411 bp
RefSeq ORF:	1089 bp
Locus ID:	59274
UniProt ID:	<u>Q9HIK6</u>
Cytogenetics:	15q25.1
Gene Summary:	This gene encodes a protein that is regulated by micro RNA MiR-574-3, and is thought to have an oncogenic function in human bladder cancer. A similar gene in mouse is located in a chromosomal region critical for differentiation of mesoderm, which affects embryo patterning and the formation of heart, muscle, blood, skeleton and the urogenital system. The mouse gene is expressed in early development, and in the adult. [provided by RefSeq, Nov 2016]