

## Product datasheet for SC306342

### DR3 (TNFRSF25) (NM\_148966) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DR3 (TNFRSF25) (NM_148966) Human Untagged Clone
Tag:	Tag Free
Symbol:	DR3
Synonyms:	APO-3; DDR3; DR3; GEF720; LARD; PLEKHG5; TNFRSF12; TR3; TRAMP; WSL-1; WSL-LR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306342 representing NM_148966. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG  
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**  
 ATGGAGCAGCGGCCGCGGGCTGCGCGCGGTGGCGCGCGCTCCTCCTGGTGTGCTGGGGGCCCGG  
 GCCCAGGGCGGCACTCGTAGCCCGAGGTGTGACTGTGCCGGTGACTTCCACAAGAAGATTGGTCTGTTT  
 TGTTGCAGAGGCTGCCAGCGGGCACTACCTGAAGGCCCTTGACGGAGCCCTGCGGCAACTCCACC  
 TGCCTTGTGTGCCCCAAGACACCTTCTTGGCCTGGGAGAACCACCATAATTCTGAATGTGCCCGCTGC  
 CAGGCCTGTGATGAGCAGGCCTCCAGGTGGCGCTGGAGAAGTTCAGCAGTGGCCGACACCCGCTGT  
 GGCTGTAAGCCAGGCTGGTTTGTGGAGTGCCAGGTGAGCAATGTGTGAGCAGTTCACCTTCTACTGC  
 CAACCATGCCTAGACTGCGGGGCCCTGCACCGCCACACAGGCTACTCTGTTCCCGCAGAGATACTGAC  
 TGTGGGACCTGCCTGCCTGGCTTCTATGAACATGGCGATGGCTGCGTGTCTGCCCCACGAGCACCTG  
 GGGAGCTGTCCAGAGCGCTGTGCCGCTGTCTGTGGCTGGAGGCAGAATGAAGCTGGGATGGAGGCTCTG  
 ACCCCACACCGGCCACCCATCTGTACCCCTTGGACAGCGCCACACCTTCTAGCACCTCTGACAGC  
 AGTGAGAAGATCTGCACCGTCCAGTTGGTGGGTAAACAGCTGGACCCCTGGCTACCCCGAGACCCAGGAG  
 GCGCTCTGCCCGAGGTGACATGGTCTGGGACCAGTTGCCAGCAGAGCTCTTGCCCCGCTGTGCG  
 CCCCACTCTCGCCAGAGTCCCAGCGGCTCGCCAGCCATGATGCTGCAGCCGGGCCCGCAGCTCTAC  
 GACGTGATGGACGCGGTCCCAGCGCGGCTGGAAGGAGTTCGTGCGCACGCTGGGCTGCGCGAGGCA  
 GAGATCGAAGCCGTGGAGGTGGAGATCGGCCGCTTCCGAGACCAGCAGTACGAGATGCTCAAGCGCTGG  
 CGCCAGCAGCAGCCCGGGCCCTCGAGCGCTTTACGCGGCCCTGGAGCGCATGGGCTGGACGGCTGC  
 GTGGAAGACTTGCAGCGCCCTGCAGCGCGGCCCGTGA  
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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<b>ACCN:</b>	NM_148966
<b>Insert Size:</b>	1143 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_148966.1</a></u>
<b>RefSeq Size:</b>	1527 bp
<b>RefSeq ORF:</b>	1143 bp
<b>Locus ID:</b>	8718
<b>UniProt ID:</b>	<u><a href="#">Q93038</a></u>
<b>Cytogenetics:</b>	1p36.31
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction
<b>MW:</b>	41.2 kDa

**Gene Summary:**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed preferentially in the tissues enriched in lymphocytes, and it may play a role in regulating lymphocyte homeostasis. This receptor has been shown to stimulate NF-kappa B activity and regulate cell apoptosis. The signal transduction of this receptor is mediated by various death domain containing adaptor proteins. Knockout studies in mice suggested the role of this gene in the removal of self-reactive T cells in the thymus. Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported, most of which are potentially secreted molecules. The alternative splicing of this gene in B and T cells encounters a programmed change upon T-cell activation, which predominantly produces full-length, membrane bound isoforms, and is thought to be involved in controlling lymphocyte proliferation induced by T-cell activation. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) lacks two coding segments, both of which result in a frameshift, when compared to variant 1. The resulting isoform (3) contains a distinct and shorter internal segment, as compared to isoform 1.