

Product datasheet for **SC322313**

DR4 (TNFRSF10A) (NM_003844) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DR4 (TNFRSF10A) (NM_003844) Human Untagged Clone
Tag:	Tag Free
Symbol:	DR4
Synonyms:	APO2; CD261; DR4; TRAILR-1; TRAILR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322313
 ACTCCGAATGCGAAGTTCTGTCTTGTTCATAGCCAAGCACGCTGCTTCTTGGATTGACCTG
 GCAGGATGGCGCCACCACCAGCTAGAGTACATCTAGGTGCGTTTCTGGCAGTGACTCCGA
 ATCCCGGGAGCGCAGCGAGTGGGACAGAGGCAGCCGGCCACACCCAGCAAAGTGTGGG
 GCTCTTCCGCGGGGAGGATTGAACCACGAGGCGGGGGCCGAGGAGCGCTCCCTACCTCCA
 TGGGACAGCACGGACCCAGTGCCCGGGCCGGGAGGGCGGCCCCAGGACCCAGGGCCGG
 CGCGGGAAGCCAGCCCTCGGCTCCGGGTCCACAAGACCTTCAAGTTTGTGCTCGTCGGGG
 TCCTGCTGCAGGTGCTACCTAGCTCAGCTGCAACCATCAAACCTTATGATCAATCAATTG
 GCACACAGCAATGGGAACATAGCCCTTTGGGAGAGTTGTGTCCACCAGGATCTCATAGAT
 CAGAACATCCTGGAGCTGTAACCGGTGCACAGAGGGTGTGGGTTACACCAATGCTTCCA
 ACAATTTGTTGCTTGCCTCCCATGTACAGCTTGTAAATCAGATGAAGAAGAGAGAAGTC
 CCTGCACCACGACCAGGAACACAGCATGTCAGTGCAAACAGGAACCTTCCGGAATGACA
 ATTCTGCTGAGATGTGCCGGAAGTGCAGCAGAGGGTGCCCCAGAGGGATGGTCAAGGTCA
 AGGATTGTACGCCCTGGAGTGACATCGAGTGTGCCACAAAGAATCAGGCAATGGACATA
 ATATATGGGTGATTTTGGTTGTGACTTTGGTTGTTCCGTTGCTGTGGTGGCTGTGCTGA
 TTGCTGTGTTGCATCGGCTCAGGTTGTGGAGGGGACCCCAAGTGCATGGACAGGGTGT
 GTTTCTGGCGCTTGGGTCTCTACGAGGGCCTGGGGCTGAGGACAATGCTCACAACGAGA
 TTCTGAGCAACGCAGACTCGCTGTCCACTTTCGTCTCTGAGCAGCAAATGGAAAGCCAGG
 AGCCGGCAGATTTGACAGGTGCTACTGTACAGTCCCAGGGGAGGCACAGTGTCTGCTGG
 GACCGGCAGAAGCTGAAGGGTCTCAGAGGAGGAGGCTGCTGGTCCAGCAAATGGTGTCTG
 ACCCCACTGAGACTCTGATGCTGTTCTTTGACAAGTTTGCAAACATCGTGCCCTTTGACT
 CCTGGGACCAGCTCATGAGGCAGCTGGACCTCACGAAAAATGAGATCGATGTGGTCAGAG
 CTGGACAGCAAGCCTCGATCCACACCCTGCTGGATGCCTTGAGAGGATGGAAAGAGAGAC
 ATGAAAAAGAGAAGATTCAGGACCTCTTGGTGGACTCTGAAAAGTTCATCTACTTAGAAG
 ATGGCACAGGCTCTGCCGTGTCCTTGGAGTGAAAGACTCTTTTTACCAGAGGTTTCCTCT
 TAGGTGTAGGAGTTAATACATATTAGGTTTTTTTTTTTTTTTAAACATGTATACAAAGTAA
 ATTCTTAGCCAGGTGTAGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCG
 GGTGGATCACTTGAGGTGAGAAGTTCAAGACCAGCCTGACCAACATCGTGAATGCCGTC
 TTTACAAAAAATACAAAAATTAAGTGGAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003844

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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.
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_003844.2 , NP_003835.2
RefSeq Size:	1723 bp
RefSeq ORF:	1407 bp
Locus ID:	8797
UniProt ID:	O00220
Cytogenetics:	8p21.3
Domains:	DEATH, TNFR
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity
Gene Summary:	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. [provided by RefSeq, Jul 2008]