

Product datasheet for **SC322224**

DR5 (TNFRSF10B) (NM_003842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DR5 (TNFRSF10B) (NM_003842) Human Untagged Clone
Tag:	Tag Free
Symbol:	DR5
Synonyms:	CD262; DR5; KILLER; KILLER/DR5; TRAIL-R2; TRAILR2; TRICK2; TRICK2A; TRICK2B; TRICKB; ZTNFR9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_003842 edited
 GCCCAAGTCAGCCTGGACACATAAATCAGCACGCGGCCGGAGAACCCCGCAATCTCTGC
 GCCCACAAAATACACCGACGATGCCCGATCTACTTTAAGGGCTGAAACCCACGGGCTGA
 GAGACTATAAGAGCGTTCCCTACCGCATGGAACAACGGGGACAGAACGCCCCGGCCGCT
 TCGGGGGCCCGAAAAGGCACGGCCAGGACCCAGGGAGGCGGGGAGCCAGGCCTGG
 CTCCGGGTCCCCAAGACCCTTGTGCTCGTTGTGCGCCGGTCTGCTGTTGGTCTCAGT
 GAGTCTGCTCTGATCACCAACAAGACCTAGCTCCCCAGCAGAGAGCGGCCCAACA
 AAGAGGTCCAGCCCTCAGAGGGATTGTGTCCACCTGGACACCATATCTCAGAAGACGGT
 AGAGATTGCATCTCCTGCAAATATGGACAGGACTATAGCACTCACTGGAATGACCTCCTT
 TTCTGCTTGCCTGCACAGGTGTGATTGAGGTGAAGTGGAGCTAAGTCCCTGCACCAG
 ACCAGAAAACAGTGTGTGAGTGCAGGAAGGCACCTTCCGGGAAGAAGATTCTCCTGAG
 ATGTGCCGGAAGTGCCGCACAGGTGTCCAGAGGGATGGTCAAGGTCGGTGATTGTACA
 CCCTGGAGTGACATCGAATGTGTCCACAAAGAATCAGGTACAAAGCACAGTGGGAAGCC
 CCAGCTGTGGAGGAGACGGTGACCTCCAGCCAGGGACTCCTGCCTCTCCCTGTTCTCTC
 TCAGGCATCATATAGGAGTCACAGTTGCAGCCGTAGTCTTGATTGTGGCTGTGTTGTT
 TGCAAGTCTTTACTGTGGAAGAAAGTCCTTCTTACCTGAAAGGCATCTGCTCAGGTGGT
 GGTGGGGACCCTGAGCGTGTGGACAGAAGCTCACAAACGACCTGGGGCTGAGGACAATGTC
 CTCAATGAGATCGTGAGTATCTTGCAGCCACCAGGTCCCTGAGCAGGAAATGGAAGTC
 CAGGAGCCAGCAGAGCCAACAGGTGTCAACATGTTGTCCCGGGGAGTCAGAGCATCTG
 CTGGAACCGGCAGAAAGCTGAAAGTCTCAGAGGAGGAGGCTGCTGGTCCAGCAAATGAA
 GGTGATCCCACTGAGACTCTGAGACAGTGTTCGATGACTTTGCAGACTTGGTGCCTTT
 GACTCCTGGGAGCCGCTCATGAGGAAGTTGGCCCTCATGGACAATGAGATAAAGTGGCT
 AAAGTGAGGCAGCGGGCCACAGGGACACCTTGTACACGATGCTGATAAAGTGGTCAAC
 AAAACCGGGCAGATGCCCTCTGTCCACACCTGCTGGATGCCTTGAGAGCGCTGGGAGAG
 AGACTTGCCAAGCAGAAGATTGAGGACCACTTGTGAGCTCTGGAAGTTCATGTATCTA
 GAAGGTAATGCAGACTCTGCCATGCTCCTAAGTGTGATTCTCTTCAGGAAGTCAGACCTTC
 CCTGGTTTACCTTTTTTCTGGAAAAAGCCCACTGGACTCCAGTCAGTAGGAAAGTGCCA
 CAATTGTCACATGACCGGTACTGGAAGAACTCTCCCATCAACATCACCCAGTGGATGG
 AACATCCTGTAACCTTTTCACTGCACTTGGCATTATTTTTATAAGCTGAATGTGATAATAA
 GGACACTAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003842

Insert Size: 1700 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_003842.3.

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_003842.3](#), [NP_003833.3](#)

RefSeq Size: 4160 bp

RefSeq ORF: 1323 bp

Locus ID: 8795

UniProt ID: [O14763](#)

Cytogenetics: 8p21.3

Domains: DEATH, TNFR

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Apoptosis, Cytokine-cytokine receptor interaction, Natural killer cell mediated cytotoxicity, p53 signaling pathway

Gene Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an intracellular death domain. This receptor can be activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.