

Product datasheet for **SC109989**

DR5 (TNFRSF10B) (NM_147187) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DR5 (TNFRSF10B) (NM_147187) Human Untagged Clone
Tag:	Tag Free
Symbol:	TNFRSF10B
Synonyms:	CD262; DR5; KILLER; KILLER/DR5; TRAIL-R2; TRAILR2; TRICK2; TRICK2A; TRICK2B; TRICKB; ZTNFR9
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene sequence for NM_147187 edited
 ATAAATCAGCACGCGGCCGAGAACCCCGCAATCTCTGCGCCACAAAATACACCGACGA
 TGCCCGATCTACTTTAAGGGCTGAAACCCACGGGCTGAGAGACTATAAGAGCGTTCCCT
 ACCGCCATGGAACAACGGGGACAGAACGCCCGCGCTTCGGGGGCCGGAAAAGGCAC
 GGCCAGGACCCAGGGAGGCGGGGAGCCAGGCTGGGCTCCGGTCCCAAGACCTT
 GTGCTCGTTGTCGCCCGGTCTGCTGTGGTCTCAGCTGAGTCTGCTCTGATCACCCAA
 CAAGACCTAGTCCCCAGCAGAGAGCGGCCCAACAAGAGAGTCCAGCCCTCAGAG
 GGATTGTGTCCACCTGGACACCATATCTCAGAAGACGGTAGAGATTGCATCTCCTGCAA
 TATGGACAGGACTATAGCACTACTGGAATGACCTCCTTTTCTGCTTGCCTGCACCAGG
 TGTGATTCAGGTGAAGTGGAGCTAAGTCCCTGCACCACGACCAGAAAACACAGTGTGTGAG
 TGCGAAGAAGGCACCTTCGGGAAGAAGATTCTCCTGAGATGTCCGGAAGTGCCGCACA
 GGGTGTCCAGAGGGATGGTCAAGGTGGTGTGTACACCTGGAGTGACATCGAATGT
 GTCCACAAAGAATCAGGCATCATATAGGAGTACAGTGCAGCCGTAGTCTTGATTGTG
 GCTGTGTTTGTGCAAGTCTTTACTGTGGAAGAAAGTCTTCTTACCTGAAAGGCATC
 TGCTCAGTGGTGGTGGGACCCCTGAGCGTGTGGACAGAAGCTCACACGACCTGGGGCT
 GAGGACAATGTCTCAATGAGATCGTGAGTATCTTGCAGCCACCCAGGTCCTGAGCAG
 GAAATGGAAGTCCAGGAGCCAGCAGAGCCAACAGGTGTCAACATGTTGTCCCGGGGAG
 TCAGAGCATCTGCTGGAACCGGCAGAAGCTGAAAGGTCTCAGAGGAGGAGGCTGCTGGT
 CCAGCAAATGAAGGTGATCCCACTGAGACTCTGAGACAGTGTTCGATGACTTTGACAGC
 TTGGTGCCTTTGACTCCTGGGAGCCGCTCATGAGGAAGTTGGCCTCATGGACAATGAG
 AAGTGGTCAACAAAACCGGGCAGATGCCTCTGTCCACACCTGCTGGATGCCTGGAG
 AGCTGGGAGAGAGACTTGCCAAGCAGAAGATTGAGGACCACTGTTGAGCTCTGGAAG
 TTCATGTATCTAGAAGGTAATGCAGACTCTGCCATGTCCTAAGTGTGATTCTCTCAGGA
 AGTCAGACCTTCCCTGGTTTACCTTTTTCTGGAAGAAAGCCAACTGGACTCCAGTCAGT
 AGGAAAGTGCCACAATTGTACATGACCGGTAAGTGAAGAACTCTCCATCCAACATCA
 CCCAGTGGATGGAACATCCTGTAACCTTTCACTGCACTTGGCATTATTTTATAAGCTGA
 ATGTGATAATAAGGACACTATGGAATGTCTGGATCATTCCGTTTGTGCGTACTTTGAGA
 TTTGGTTTGGGATGTCATTGTTTTACAGCACTTTTTTATCCTAATGTAATGCTTTATT
 TATTTATTTGGGCTACATTGTAAGATCCATCTACACAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_147187 unedited
 ACTATAGGCGCCCGNAATTCGCACGAGGATAAATCAGCACGCGGCCGGAGAACCCCGC
 AATCTCTGCGCCACAAAATACACCGACGATGCCCGATCTACTTTAAGGGCTGAAACCA
 CGGGCTGAGAGACTATAAGAGCGTTCCCTACCGCATGGAACAACGGGGACAGAACGCC
 CCGGCCGCTTCGGGGGCCGGAAAAGGCACGGCCAGGACCCAGGGAGGCGGGGAGCC
 AGGCCTGGGCTCCGGTCCCAAGACCTTGTGCTCGTTGTCGCCGCGGTCTGCTGTTG
 GTCTCAGCTGAGTCTGCTCTGATCACCCAACAAGACCTAGCTCCCAGCAGAGAGCGGCC
 CCAACAACAAAAGAGGTCCAGCCCTCAGAGGGATTGTGTCCACCTGGACACCATATCTCA
 GAAGACGGTAGAGATTGCATCTCCTGCAAATATGGACAGGACTATAGCACTACTGGAAT
 GACCTCCTTTTCTGCTTGCCTGCACCAGGTGTGATTCAGGTGAAGTGGAGCTAAGTCCC
 TGCACCACGACCAGAAACACAGTGGTGTGAGTGCAGGAAGAAGGCACCTCCGGGAAGAAGA
 ATTCTCTGAGATGTCCGGGAAGTCCCGCACAGGCTGTCCCAGAGGGATGGTCAAGGGT
 CNGGTGATGGTACACCTGGCATGACATCCNAATGTGTCCACAAAGAATCAGGCATCATC
 ATAGGAGTCACAGTTGCANNCGTAGTCTTGATNNGGGGCTTGGGTTTTGTTGGCAAGTCT
 TTCTGGGAAAAAAGGCCTTCTTACCTGAAGGCATTGCTCAGGGGGGGGGGGGGGG
 GGACCCTGAGCGTGTGGACAGAACTAACAAGACTGGGGGCTGGGGACAA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_147187 unedited TTGGACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTGTGTAGATGG ATCTTACAATGTAGCCCAAATAAATAAATAAAGCATTTACATTAGGATAAAAAAGTGCTG TGAAAACAATGACATCCCAAACCAATCTCAAAGTACGCACAAACGGAATGATCCAGACA TTCCATAGTGTCTTATTATCACATTCAGCTTATAAAAAATAATGCCAAGTGCAGTGAAA AGTTACAGGATGTTCCATCCACTGGGTGATGTTGGATGGGAGAGTTTCTCCAGTACCGG TCATGTGACAATTGTGGCACTTTCTACTGACTGGAGTCCAGTTGGGCTTTTTCCAGAAA AAAGGTAACACAGGGAAGGTCTGACTTCCTGAAGAGAATCACACTTAGGACATGGCAGAG TCTGCATTACCTTCTAGATACATGAACCTTCCAGAGCTCAACAAGTGGTCTCAATCTTC TGCTTGCAAGTCTCTCTCCAGCGTCTCCAAGGCATCCAGCAGGGTGTGGACAGAGGCA TCTCGCCCGTTTTGTTGACCCACTTTATCAGCATCGTGTACAAGGTGTCCCTGTGGCC GCTGCCTCAGCTTAGCCACCTTATCTCATTGTCCATGAGGCCCAACTCCTCATGAGC GGTCCCAGGAGTCAAAGGGCACCAAGTCTGCAAAGTCATCGAAGCACTGTCTCAGATC TCAGTGGGATCACCTTCATTTGCTGGAACCAGCAGCCTCCTCCTGAGACCTTTCAGCT TCTGCCGNTCCAGCAGATGCTCCTGACTCCCGGGGACACATGNTGACACCTGTTGGCT CTGCTGGCTNCTGGACTTCCATTNTCTGCTCAAGGACCTGGGTGGGGCTGCGAAGTAC GATCTCATTGAGGACATTGNCTTCAGCCCNAGTCGTTGTGAGCTCTGTCCCACGCTCAG GNTCCCCACCACTGAGCAGAGCG
Restriction Sites:	NotI-NotI
ACCN:	NM_147187
Insert Size:	4500 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:	<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:	<u>NM_147187.1</u> , <u>NP_671716.1</u>
RefSeq Size:	4073 bp
RefSeq ORF:	1236 bp
Locus ID:	8795
UniProt ID:	<u>O14763</u>
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:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding segment compared to variant 1. The resulting isoform (2) lacks an internal region, as compared to 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.</p>