

Product datasheet for **SC111085**

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:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_003842 edited

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GCGCTTGGCGGAGGATTGCGTTGACGAGACTCTTATTTATTGTCACCAACCTGTGGTGGAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003842 unedited
 CCCC GCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGA
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 TCGGCACGAGGCATAAATCAGCACGCGGCCGAGAACCCCGCAATCTCTGCGCCACAAA
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 GCAGCCGANCTGATGTGGCTGGTTGTTGCAGTCTTATGTGGGAGAAGTCTTCTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003842 unedited
 NGGTCCTGACTNTGNNACCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTA
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 CATGAAAGGACACCAACCAGAGTGACACACTATACTATGGCTGCCTGTGTACATGCT
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 ACTNCACAGAACACACAGTCTGAAATGTGTGATCTTCAGC

Restriction Sites:

NotI-NotI

ACCN:

NM_003842

Insert Size:

4000 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:	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:	<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 (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.</p>