

## Product datasheet for **SC118958**

### DR1 (NM\_001938) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DR1 (NM_001938) Human Untagged Clone
Tag:	Tag Free
Symbol:	DR1
Synonyms:	NC2; NC2-BETA; NC2B; NCB2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001938, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCCTCGTCTGGCAACGATGATGATCTCACTATCCCCAGAGCTGCTATCAATAAAATGATCAAAG
AGACTTTCCTAATGTCCGGGTGGCCAACGATGCTCGAGAGCTGGTGGTGAAGTCTGCACTGAATTCAT
TCACCTTATATCTTCTGAAGCCAATGAGATTTGTAAACAAATCGGAAAAGAAGACCATCTCACCAGAGCAT
GTCATACAAGCACTAGAAAGTTTGGGATTTGGCTTTACATCAGTGAAGTAAAAGAAGTCTTGAAGAGT
GTAAAACAGTAGCATTAAAAGAAGAAAGGCCAGTTCTCGTTTGGAAAACCTTGGCATTCTGAAGAAGA
GTTATTGAGACAGCAACAAGAATTATTTGCAAAAGCTAGACAGCAACAAGCAGAATTGGCCCAACAGGAA
TGGCTTCAAATGCAGCAAGCTGCCCAACAAGCCCAGCTTGCTGCTGCCTCAGCCAGTGCATCTAATCAGG
CGGGATCTTCTCAGGATGAAGAAGATGATGATGATATCTGA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001938 unedited</p> <pre>AATCGACTCATAAGGGCGGCCGCAATTCGGCACGAGGCACACGCGAGTGTCCAGCCC TCAAGCCAGCTGCTCCTCCGTTCAATTTCTGCACCCTCTTCGCAAAGCACCCCGGGAT CACTTCTCCGAGGGCGAACTTTTTGAGAAATCTCGGTGGAGTAGTGGACCAGAGCTGGGG AGTTTTTAAAAGCCGGGCGCGAGAAAAGGAAGTACTATGGCTTCTCGTCTGGCAACG ATGATGATCTCACTATCCCAGAGCTGCTATCAATAAAATGATCAAAGAGACTCTTCCTA ATGTCCGGGTGGCCAACGATGCTCGAGAGCTGGTGGTGAAGTCTGCACTGAATTCATTC ACCTTATATCTTCTGAAGCCAATGAGATTTGTAACAAATCGGAAAAGAAGACCATCTCAC CAGAGCATGTCATACAAGCACTAGAAAAGTTGGGATTTGGCTCTTACATCAGTGAAGTAA AAGAAGTCTTGCAAGAGTGTAAAACAGTAGCATTAAAAAGAAAAAGGCCAGTTCTCGT TTGAAAAACCTTGGCATTCTGAAGAAAAATTATTGAGACAGCAACAAGAATTATTTGCA AAAGCTAGACAGCAACAAGCAGAATTGGCCCAACAGGAATGGCTTCAAATGCAGCAAGCT GCCCAACAAGCCAGCTTGTCTGCCTCAGCCAGTGCATCTAATAGGGCGGGATCTTCT CAGATGAAAAAAGATGATGATATCTGAAATTCACAGCTGAGTTCTATTTCTTAATAAT GTTNNTCCTGACAACAAAAAGTGAAGAAATGCTAATCTGTATTNTGTATGCATCTGGN NGGGACTGTCATTGTATCTAAGGGATGCTGCTATAAAGTATCNATNGGNGCTATAAGNA AAACTGCTCTTTGACATGAAAAATTAGGNTAGATATATCATNTGATNTTTAA</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_001938 unedited</p> <pre>GTACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGTAAAAACATCAC AATTTTATTGCTTGAAGATACAGCATATGAAATCACAAGAATGTCAAATGAAAAGTCAC TAGGCTTCAAACGTATAATACATTATCAGATGCAGTAAAATTAACCTGAACTCTGCAT CAGAAAAAAGAAAAAGTGTGGAAAATATCTAAGTTGTTTACCCTTAAGAAACAGATAT ACTTAAATAGAAAGTATAAGGATGTTACAGTACAAATTAGAAAAGCCAACACGTATTAA CTTATCGTTCTAGACTAACTACCTTTGGTACTTAAACTTTTTAAAAACAATTTCTATC TCATCAAATGCACCTTATGGGTATGACATCCATGAAGTAACTTTCACTTAAACATTCAG CANAATTAACCTTTTCACTTCATGGGGGAANGTATATTTAATAAATGTATAACAANTATT TCCCTTTTACTAAAACCTGCAAAAATATGATCATTAAAGAAACCTAACAGTTATAAACTTTA CTTACTTAGCTCTNCATTTAAAAATGGGAATCCTGGAGGCACAATCTATTTTTGGGCTNGG TGAATACATAAGTTAANAAGATTGGGCACTGACATAGAATTAATACTTATACTATCTAGN GACTTTTCTTCTGGTTCAAATATGAACATATGCCTTTTCTCACTCCTGAATTCTATATA CTACATACTGTATTATTAACCAATTAAGCTCTCTACAGCAGGTGAACCTTTTATGTTCTA TTCGCTGATAGTTTACCAACTATGTCATTAGCTGACAATAATCTTAGGGTGACAATGAA AACTNTTAACAAATAATTTTTTTAGCCTCCCTATTGGGACATATTGCTCTAAAGGAGTT GACTCGCCTTTTTGGGAAGGTATGTTTTAACTAGNACTACCCCGTATAAACCTTTTACA GTGCTT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001938
<b>Insert Size:</b>	2800 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>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>	<a href="#">NM_001938.2</a> , <a href="#">NP_001929.1</a>
<b>RefSeq Size:</b>	3222 bp
<b>RefSeq ORF:</b>	531 bp
<b>Locus ID:</b>	1810
<b>UniProt ID:</b>	<a href="#">Q01658</a>
<b>Cytogenetics:</b>	1p22.1
<b>Domains:</b>	CBFD_NFYB_HMF
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a TBP- (TATA box-binding protein) associated phosphoprotein that represses both basal and activated levels of transcription. The encoded protein is phosphorylated in vivo and this phosphorylation affects its interaction with TBP. This protein contains a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. The binding of DR1 repressor complexes to TBP-promoter complexes may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and controls the rate of RNA polymerase II transcription. [provided by RefSeq, Jul 2008]</p>