

Product datasheet for **SC117180**

DREF (ZBED1) (NM_004729) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DREF (ZBED1) (NM_004729) Human Untagged Clone
Tag:	Tag Free
Symbol:	DREF
Synonyms:	ALTE; DREF; hDREF; TRAMP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117180 sequence for NM_004729 edited (data generated by NextGen Sequencing)

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ATGGAGAATAAAAGCCTGGAGAGCTCCCAGACAGACCTGAAGCTGGTGGCCACCCCGC
GCCAAGAGCAAGGTGTGGAAGTATTTCCGGCTTCGACACCAACGCCGAGGGATGCATCCTG
CAGTGGAAGAAAATCTACTGCCGCATCTGCATGGCCCAGATCGCCTACTCCGAAACACC
TCCAACCTGTCTACCACCTGGAGAAGAACCACCCGAGGAATTCTGCGAGTTCGTCAAG
AGCAACACGGAGCAGATGCGTGAAGCCTTCGCCACCGCCTTCTCCAAGCTGAAGCCCGAG
TCGTCCCAGCAGCCCGGCAGGACGCGCTGGCCGTCAAGGCCGGCCACGGCTACGACAGC
AAGAAGCAGCAGGAGCTGACGGCCGCCGTGCTGGGCCTCATCTGCGAGGGGCTGTACCCA
GCCTCCATCGTGGACGAGCCACCTTCAAGGTGCTGCTGAAGACGGCCGACCCCGGTAT
GAGCTGCCAGCCGGAAGTACATCTCTACCAAGGCCATCCCTGAGAAGTACGGGGCCGTC
CGGAGGTGATCCTGAAGGAGCTGGCCGAGGCCACCTGGTGTGGCATCTCCACCGACATG
TGGAGGAGTGAGAATCAGAACC GCGCTACGTACGCTGGCCGCCACTTCTGGGCCTG
GGGCCCCCAACTGCCTGTCCATGGGCTCCCGCTGCCTGAAGACCTTCGAGGTGCCCGAA
GAGAACACGGCGGAGACCATCACGCGAGTCTCTATGAGGTCTTCATCGAGTGGGGCATC
AGCGCCAAGGTCTTCGGGGCCACCACCAACTATGGCAAGGACATCGTGAAGGCGTCTCC
CTGCTGGACGTCGCAAGTGCACATGCCCTGCCTGGGCCACACCTTCAATGCCGGCATCCAG
CAGGCCTTCCAGCTCCCGAAGCTGGGGGCGCTGCTGTGCGCTGCCGAAACTGGTGGAG
TACTTCCAGCAGTCTGCCGTGGCCATGTACATGCTCTATGAGAAGCAGAAGCAGCAGAAC
GTGGCCCACTGCATGCTGGTGAACACCGCTCTCTGGTGGGGGAGCAGCTGGCCATG
CTGCAGCGCTCAAGGAGCAGCAGTTCGTATCGCCGGGTCTTGGTGGAGGACAGCAAC
AACCACCACCTCATGCTGGAGGCCAGCAGTGGGCCACCATCGAGGGGCTGGTGGAGCTC
CTGCAGCCCTTCAAGCAGGTGGCCGAGATGCTGTGCGCCTCCAGGTACCCACCATCAGC
ATGGTGAAGCCGCTGCTGCACATGCTCCTGAACACCACGCTCAACATCAAGGAGACCGAC
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AGGCTGCCCTTCTCTCCGCTTCGAGCGGCAGCAGGTGGAGAATCGCGTGGTGGAAAG
GCCAAGGGCCTGCTGGACAAGGTCAAAGACGGCGGCTACCGGCCGGCTGAGGACAAGATC
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GCCAGCGTCATCAACAACATGCTGGCCGAGATCTTCTGCCAGACAGCGCGCTGGAGGAC
CAGGAAGAGTGGCATGCCAGGTGGTGGAGGAGCTGAGCAACTTCAAGTCCAGAAGGTG
CTTGGCCTCAACGAAGACCCCTCAAGTGGTGGTCAAGCCGCTGGCCCTTCCCCCTG
CTGCCAAGGTGCTGCAGAAGTACTGGTGCCTGACGGCCACGCGCTCGCCCTGAGCGT
CTTTCCGATCCGCCCAACGTGGTCAAGGCAAGAGGAACCGGCTGGCTCCCGCGCAC
GTGGACGAGCAGGTGTTTCTGTATGAGAACGCCCGGAGTGGGGCAGAGCCGGAACCCGAG
GACCAGGACGAGGGGAGTGGGGCTGGACCAGGAGCAGGTGTTCTCTTGGGGGATGGC
GTCAGCGCGGTTTCTTTGGCATTAGGGACAGCAGCTTCTGTAG
```

Clone variation with respect to NM_004729.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004729 unedited
 GGATTTTGATCACGACTCACTATAGNNGGCGGCCGNAATTCGGCACGAGGGCGGGG
 CTTCTGGAGCCAGCAGGTCCCCACGCATGAGCAGCCGTCCAGCAGGCAGGCTCCGGTGG
 AGAAGCAATGGAGAATAAAGCCTGGAGAGCTCCCAGACAGACCTGAAGCTGGTGGCCCA
 CCCCCGCGCAAGAGCAAGGTGTGGAAGTATTCGGCTTCGACACCAACGCCGAGGGATG
 CATCCTGCAGTGAAGAAAATCTACTGCCGCATCTGCATGGCCCAGATCGCCTACTCCGG
 AAACACCTCCAACCTGTCTACCACCTGGAGAAGAACCACCCGAGGAATTCTGCGAGTT
 CGTCAAGAGCAACACGGAGCAGATGCGTGAAGCCTTCGCCACCGCCTTCTCCAAGCTGAA
 GCCCGAGTCGTCCCAGCAGCCCGGGCAGGACGCGCTGGCCGTC AAGGCCGGCCACGGCTA
 CGACAGCAAGAAGCAGCAGGAGCTGACGGCCGCGTGTGGCCCTCATCTGCGAGGGCT
 GTACCCAGCCTCCATCGTGGACGAGCCACCTTCAAGGTGCTGCTGAAGACGGCCGACCC
 CCGGTATGAGCTGCCAGCCGGAAGTACATCTCTACCAAGGCCATCCCTGAGAAGTACGG
 NGCCGTCGGGAGGTGATCCTGAANGAGCTGGCCGANGCCACCCTGGTGTGCATCTCCA
 CCGACATGTGGAGGAGTGAATCAGAACCAGCCACGTCACGCTGGCCGCCACTTCC
 TGGGCCTGNGCGCCCCACTGCCTGTCCATGGGCTTCCGCTGCCTGAAGACCTTCGAGT
 GCCCGAAGAGAAAACACGGAGACCTCACGCGAGTGTCTATGAGTCTCATCGAGTGGGG
 ATCAGCGCAAGTCTCCGNGCCACACCACTATGCAGGACATGGAAGCTGCTCCTGTGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004729 unedited
 GAACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGAGAGATCTCGCTC
 TTGTGCGCCAGGCTGGAGTGCAGCGATCTCAGCTTACTGCAACCTCCACCTCCCAGGTTCC
 AAGCGATTCTCTGGCCTCAGCCTCCAGAAGCTGGGATTACAGGCACATGCCATCAGTCTC
 GGTAAATTTTTGTATTTTGTAGTAGAGACGGGTTTCGCCATGTTGGCCAGGCTGGTCTCG
 ATCTCCTGACCTCAGTGTCTGCCACCTCGGCCTCCCAAAGTGTGCGATTATAGACA
 GGAGCCACCGCCCCGACCTCTCTCACTTCTCGAATCTCTTTCTTTTCCACCTTCTA
 GGTGTCAAAGACAGTGGATGGTCTCTGAGGTTCAAACCAAGCTGACCGGTAAGTATTT
 ACAGCAAAGCATCCAATGGGCTGCTGCGGGGATGACTTGTAAAGACAACACGCTTCTCGC
 TACAGGAAGCTGCTGTCCCTAATGCCAAAGAAACCGCGCTGACGCCATCCCCAAGGAG
 AACACCTGCTCCTGGTCCAGGCCCACTCCCCCTCGTCTGGTCTCGGGTTCGGCTCT
 GCCCACTCCGGCGTTTTTCATACAGAAACACCTGCTCGTTCACGTGCGCCGGAGCCCCAC
 CGTTCCCTCTTGGCCCTGACCACCTCGCCGCGGATCCCCAACAAACCTCACGCGGCCA
 CCCCCCTGGCCGCCACCCACCAAAATTCCTTCGCCGTCCCTTGGGCTACAAGGGGATAA
 AAGGCCCTCCGGGCCAACCCCACTCTAGAGGGTACTTCCGTGTGCCCTACCCCTCT
 TCGGCACTAGAACCTCTATCGTCTCCCCCTGTACTTCTCTCTTTCCAGCTCCTAA
 CCCTCGCTCCCACCCAAACATCCGAGCAGTACGCGACATCAATCAGCGC

Restriction Sites:

NotI-NotI

ACCN:

NM_004729

Insert Size:

2680 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:

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_004729.3](#), [NP_004720.1](#)

RefSeq Size: 4525 bp

RefSeq ORF: 2085 bp

Locus ID: 9189

UniProt ID: [O96006](#)

Cytogenetics: X;Y

Domains: zf-BED

Protein Families: Druggable Genome

Gene Summary: This gene is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. It was earlier identified as a gene with similarity to Ac transposable elements, however, was found not to have transposase activity. Later studies show that this gene product is localized in the nucleus and functions as a transcription factor. It binds to DNA elements found in the promoter regions of several genes related to cell proliferation, such as histone H1, hence may have a role in regulating genes related to cell proliferation. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene. [provided by RefSeq, Jan 2010]

Transcript Variant: This variant (2) uses an alternate acceptor splice site at the 3' terminal exon compared to variant 1. Variants 1-3 encode the same protein. **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.