

Product datasheet for **SC327980**

DACH1 (NM_080759) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DACH1 (NM_080759) Human Untagged Clone
Tag:	Tag Free
Symbol:	DACH1
Synonyms:	DACH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC327980 representing NM_080759.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCAGTGC CGCGGCTTTGATCCCTCCGACCCAGCTGGTCCCCCTCAACCCCAATCTCCACGTCT
GTTTCTCTCTGGCACCACCTCCACCTCTTCGGCGACTTCGTCTCCGGCTCCTTCCATCGGACCC
CCGGCGTCTCTGGGCCAACTCTGTTCCGCCCGGAGCCATCGCTTCGGCGGCCGGCGGCCGCAACA
GTCACCTCTACCGCGGCCGGCGGCCGGCGGCCGAGCGGAGGCGGCCGCGCAGCAGCGGCAACGGGA
GGCGCGGTGGCGGCCGGCGGTGGCAGCAACTGCAACCCCAACCTGGCGGCCGCGAGCAACGGCAGC
GGCGGCCGGCGGCCGGCATCAGCGCTGGCGGCCGCTCGCTTCCAGCACCCCATCAACGCCAGCACC
GGCAGCAGCAGCAGCAGTAGCAGCAGCAGCAGCAGCAGTAGTAGCAGCAGCAGCAGTAGCAGC
AGCAGCTGCGGCCCTCCCGGAAACCCGTGTACTCAACCCGTCCTCCAGTGGAAAACCCCTCAG
AATAATGAGTGCAAAATGGTGGATCTGAGGGGGCCAAAGTGGCTTCTTACGGTGGAGGGCTGCGAG
CTGATCTGCCTGCCCGAGCTTTCGACCTGTTCTGAAGCACTTGGTGGGGGGCTTGCATACGGTCTAC
ACCAAGCTGAAGCGGCTGGAGATCACGCCGGTGGTGTGCAATGTGAACAAGTTCGCATCCTGAGGGGA
CTGGGCGCCATCCAGCCAGGAGTGAACCGCTGCAAACTCATCTCCAGGAAGGACTTCGAGACCCTTAC
AATGACTGCACCAACGCAAGTTCTAGACCTGGAAGGCCTCCTAAGAGGACTCAAAGTGTACCTCCCA
GAGAACTCTCACATCATGCCGATTCTGTCCCTGGTCTCATGTCTCTGGGATAATTCCACCAACAGGT
CTGACAGCAGCCGCTGCAGCAGCTGTGCTGTACCAATGCAGCTATTGTGAAGCAATGAAGGTGAAA
AAAATCAAATAGAACCATGAGCAACTATCATGCCAGTAATAACCAACATGGAGCAGACTCTGAAAAC
GGGGACATGAATCAAGTGTGGACTGGAATTCCTTTTATGATGATGCCCCACCCTCTAATTCCTGTC
AGCCTACCTCCAGCATCTGTACCATGGCAATGAGCCAGATGAACCACCTCAGCACCATTGCAAAATG
GCAGCAGCAGCACAAGTTCAGAGTCCCCATCCAGAGTTGAGACATCAGTTATTAAGGAGCGTGTTCCT
GATAGCCCTCACCTGCCCTCTCTGGAGGAGGGGAGAAGGCCTGGCAGTCACCCATCATCACATCGC
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GGGTTGTCCATGAACCAGATGCTGATGGGCTTATCACCAATGTACTTCTGGGCCCAAAGAGGGAGAT
TTGGCCGGTCTGACATGGGACATGAGTCAAAAAGGATGCATATTGAAAAAGATGAGACCCGCTTCT
ACACCAACCGCAAGAGACAGCCTTGACAACTCTCTAACTGGGCATGGACAACCCTGCCTCCAGGT
TTCCATCTCTTTCTGTTTCTGATGGACTGTCTCCATCGAGACTCTTCTGACTAACATACAGGGG
CTGTTGAAAGTTGCCATAGATAATGCCAGAGCTCAAGAGAAACAGGTCCAACCTGGAAAAACTGAGCTG
AAGATGGATTTTTAAGGAAAGAGAACTAAGGAAACACTTGAGAAGCAGTTGGCTATGGAACAAAAG
AATAGAGCCATAGTTCAAAGAGGCTAAAGAAGGAGAAGGCAAGAGAAAATTCAGGAAGCACTT
GAGTTTGAGACGAAACGGCGTGAACAAGCAGAACAGCGTAAAACAGGCAGCTTCAACAGATAGTCTC
AGGGTCTTAAATGACTCTCTGACCCAGAGATAGAGGCTGACCGCAGTGGCGGCAGAACAGATGCTGAA
AGGACAATACAAGATGGAAGACTGTATTTGAAAACACTGTATGTACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul
ACCN: NM_080759
Insert Size: 2121 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_080759.5](#)

RefSeq Size: 5240 bp

RefSeq ORF: 2121 bp

Locus ID: 1602

UniProt ID: [Q9UI36](#)

Cytogenetics: 13q21.33

Domains: Ski_Sno

Protein Families: Transcription Factors

MW: 73 kDa

Gene Summary:

This gene encodes a chromatin-associated protein that associates with other DNA-binding transcription factors to regulate gene expression and cell fate determination during development. The protein contains a Ski domain that is highly conserved from Drosophila to human. Expression of this gene is lost in some forms of metastatic cancer, and is correlated with poor prognosis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

Transcript Variant: This variant (1) is the predominant transcript and it encodes the longest isoform (a). 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. CCDS Note: The coding region has been updated to remove two codons that are not included in the GRCh38 reference genome allele.