

Product datasheet for SC325917

DACH2 (NM_001139515) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DACH2 (NM_001139515) Human Untagged Clone
Tag:	Tag Free
Symbol:	DACH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325917 representing NM_001139515. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAAGAAAACAAGCTGTTAACAGTTCAAGACCCGGCAGGCCCCCTAAGCGTTCTTTGGGAGTGTG
CAGGAAAATGCCCGCCTTCTGACCCATGCAGTCCCAGGCCCTTTATCGCCAGGACTTATCACTCCGACA
GGTATAACAGCTGCAGCGATGGCTGAGGCGATGAACTTCAGAAGATGAAGCTTATGGCTATGAACACT
CTTCAGGAAAATGGAAGCCAAAATGGGACCGAATCAGAGCCTGATGATCTTAATTCTAACACAGGTGGA
AGTGAATCCTCCTGGGATAAAGATAAGATGCAGTCTCCATTTGCTGCACCTGGACCCCAACATGGAATT
GCTCATGCAGCCCTAGCTGGCCAGCCAGGCATTTGGGGTGCTCCAACCCCTCAATCCACTGCAGCAGAAC
CACCTGCTAACCAATAGACTGGATCTGCCATTTATGATGATGCCTCATCCCTACTTCCAGTCAGCTTA
CCTCCTGCATCAGTTGCCATGGCAATGAATCAGATGAACCATCTCAATACTATTGCCAACATGGCTGCT
GCAGCACAGATTCACAGTCCACTCTCCAGAGCTGGTACCTCTGTTATAAAGGAGCGGATCCAGAGAGT
CCTTCTCCTGCTCCTTCTCTAGAAGAGAATCATCGTCTGGGAGCCAGACCTTCCCACACCAGCAGC
AGTGTGTCCAGCTCTCCCTCTCAGATGGATCATCATTTGGAAAGAATGGAAGAGGTACCAGTTCAAATT
CCAATAATGAAGTACCCTTGGACAAGATACAGCTGACTCCTGGCAGGCATTGCCCGCTGGATTCCCT
GGACCATTCATTTTTGTGATAGTCTGTCTCCGTGGAGACTCTGTTGACCAACATTGAGGCTGTGCTG
AAAGTTGCTTTGGATAATGCTCGCATCCAGGAGAAGCAGATTCAACAAGAAAAGAAGGAGCTGCGACTG
GAGCTCTATAGAGAGAGAGAAAATTAGAGAAAACCTTGAAAGACAACCTTGCAGTTGAGCTTCAAAGCAGA
ACTACTATGCAAAAGCGCCTGAAGAAGGAGAAAAAACCAGAGAAAATTGCAGGAAGCCTTGGAATTT
GAATCAAAGCGCCGGGAGCAAGTGGAGCAGGCACTTAAGCAAGCCACCACTAGTGACAGTGGCCTGAGG
ATGTTAAAAGATACTGGAATCCAGATATTGAAATAGAAAACAATGGGACTCCTCATGATAGTGTGCTG
ATGCAAGGAGGTAACATTAAGTGTGTTAGAAATGGCACAACAGTTGATTCAGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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ACCN:	NM_001139515
Insert Size:	1299 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).
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:	<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_001139515.1</u>
RefSeq Size:	1803 bp
RefSeq ORF:	1299 bp
Locus ID:	117154
UniProt ID:	<u>Q96NX9</u>
Cytogenetics:	Xq21.2
Protein Families:	Transcription Factors
MW:	47.2 kDa
Gene Summary:	<p>This gene is one of two genes which encode a protein similar to the Drosophila protein dachshund, a transcription factor involved in cell fate determination in the eye, limb and genital disc of the fly. The encoded protein contains two characteristic dachshund domains: an N-terminal domain responsible for DNA binding and a C-terminal domain responsible for protein-protein interactions. This gene is located on the X chromosome and is subject to inactivation by DNA methylation. The encoded protein may be involved in regulation of organogenesis and myogenesis, and may play a role in premature ovarian failure. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]</p> <p>Transcript Variant: This variant (3) has an alternate 5' exon and uses a downstream start codon, compared to variant 1. The resulting isoform (c) has a shorter N-terminus, compared to isoform a.</p>