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Product datasheet for RC219215

DACH1 (NM_080760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DACH1 (NM_080760) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DACH1
Synonyms:	DACH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>RC219215 representing NM_080760
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGTGCCGGCGGCTTTGATCCCTCCGACCCAGCTGGTCCCCCCTCAACCCCCAATCTCCACGTCTG
CTTCCTCCTCTGGCACCACCACCTCCACCTCTTCGGCGACTTCGTCTCCGGCTCCTTCCATCGGACCCCC
GGCGTCCTCTGGGCCAACTCTGTTCCGCCCGGAGCCCATCGCTTCGGCGGCGGCGGCGGCGGCCACAGTC
ACCTCTACCGGCGGCGGCGGCGGCGGCGGCGGCAGCGGAGGCGGCGGCGGCAGCAGCGGCAACGGAGGCG
GCGGTGGCGGCGGCGGCGGTGGCAGCAACTGCAACCCCAACCTGGCGGCCGCGAGCAACGGCAGCGGCGG
CGGCGGCGGCGGCATCAGCGCTGGCGGCGGCGTCGCTTCCAGCACCCCCATCAACGCCAGCACCGGCAGC
AGCAGCAGCAGCAGTAGCAGCAGCAGCAGCAGCAGCAGTAGTAGCAGCAGCAGCAGTAGCAGCAGCAGCT
GCGGCCCCCTCCCCGGGAAACCCGTGTACTCAACCCCGTCCCCAGTGGAAAACACCCCTCAGAATAATGA
GTGCAAAATGGTGGATCTGAGGGGGGCCAAAGTGGCTTCCTTCACGGTGGAGGGCTGCGAGCTGATCTGC
CTGCCCCAGGCTTTCGACCTGTTCCTGAAGCACTTGGTGGGGGGCTTGCATACGGTCTACACCAAGCTGA
AGCGGCTGGAGATCACGCCGGTGGTGTGCAATGTGGAACAAGTTCGCATCCTGAGGGGACTGGGCGCCAT
CCAGCCAGGAGTGAACCGCTGCAAACTCATCTCCAGGAAGGACTTCGAGACCCTCTACAATGACTGCACC
AACGCAAGTTCTAGACCTGGAAGGCCTCCTAAGAGGACTCAAAGTGTCACCTCCCCAGAGAACTCTCACA
TCATGCCGCATTCTGTCCCTGGTCTCATGTCTCCTGGGATAATTCCACCAACAGGTCTGACAGCAGCCGC
TGCAGCAGCTGCTGCTGCTACCAATGCAGCTATTGCTGAAGCAATGAAGGTGAAAAAAATCAAATTAGAA
GCCATGAGCAACTATCATGCCAGTAATAACCAACATGGAGCAGACTCTGAAAACGGGGACATGAATTCAA
GTGTCGATGAGACCCCGCTTTCTACACCAACCGCAAGAGACAGCCTTGACAAACTCTCTCTAACTGGGCA
TGGACAACCACTGCCTCCAGGTTTTCCATCTCCTTTTCTGTTTCCTGATGGACTGTCTTCCATCGAGACT
CTTCTGACTAACATACAGGGGCTGTTGAAAGTTGCCATAGATAATGCCAGAGCTCAAGAGAAACAGGTCC
AACTGGAAAAAACTGAGCTGAAGATGGATTTTTTAAGGGAAAGAGAACTAAGGGAAACACTTGAGAAGCA
GTTGGCTATGGAACAAAAGAATAGAGCCATAGTTCAAAAGAGGCTAAAGAAGGAGAAGAAGGCAAAGAGA
AAATTGCAGGAAGCACTTGAGTTTGAGACGAAACGGCGTGAACAAGCAGAACAGACGCTAAAACAGGCAG
CTTCAACAGATAGTCTCAGGGTCTTAAATGACTCTCTGACCCCAGAGATAGAGGCTGACCGCAGTGGCGG
CAGAACAGATGCTGAAAGGACAATACAAGATGGAAGACTGTATTTGAAAACTACTGTCATGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

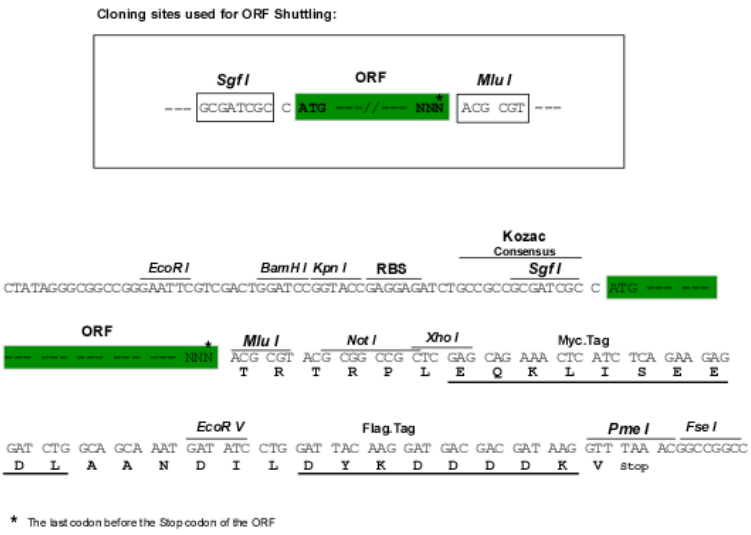
>RC219215 representing NM_080760
Red=Cloning site Green=Tags(s)

MAVPAALIPPTQLVPPQPPISTSASSSGTTTSTSSATSSPAPSIGPPASSGPTLFRPEPIASAAAAAATV
TSTGGGGGGGGSGGGGGSSGNGGGGGGGGGGSNCNPNLAAASNGSGGGGGGISAGGGVASSTPINASTGS
SSSSSSSSSSSSSSSSSSSSSSSCGPLPGKPVYSTPSPVENTPQNNECKMVDLRGAKVASFTVEGCELIC
LPQAFDLFLKHLVGGLHTVYTKLKRLEITPVVCNVEQVRILRGLGAIQPGVNRCKLISRKDFETLYNDCT
NASSRPGRPPKRTQSVTSPENSHIMPHSVPGLMSPGIIPPTGLTAAAAAAAAATNAAIAEAMKVKKIKLE
AMSNYHASNNQHGADSENGDMNSSVDETPLSTPTARDSLDKLSLTGHGQPLPPGFPSPFLFPDGLSSIET
LLTNIQGLLKVAIDNARAQEKQVQLEKTELKMDFLRERELRETLEKQLAMEQKNRAIVQKRLKKEKKAKR
KLQEALEFETKRREQAEQTLKQAASTDSLRVLNDSLTPEIEADRSGGRTDAERTIQDGRLYLKTTVMY

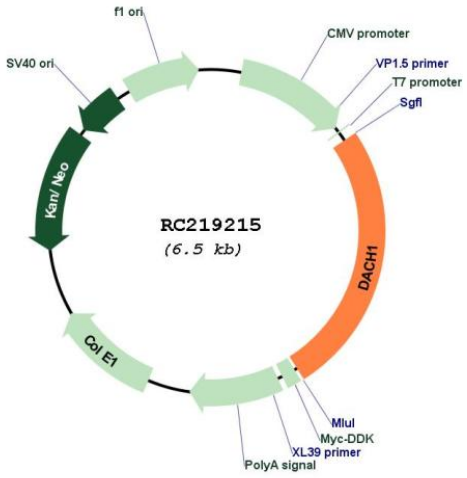
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_080760
ORF Size:	1674 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_080760.5, NP_542938.3
RefSeq Size:	4796 bp
RefSeq ORF:	1677 bp
Locus ID:	1602
UniProt ID:	Q9UI36
Cytogenetics:	13q21.33
Domains:	Ski_Sno
Protein Families:	Transcription Factors
MW:	57.3 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]