

Product datasheet for RC238006

DACT3 (NM_001301046) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: DACT3 (NM_001301046) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: DACT3
 Synonyms: DAPPER3; RRR1
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC238006 representing NM_001301046
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGC

ATGCGCAGCCCGCGGCCCTGCGGCCGCCCTCCACCGACTCGCCGACGCGGGGGCGCAGGGCGGCCCC
 TGGACGGCTACATCTCGGCGCTCTGCGCAGGCGCCGCCCGCGGGGGCGGGCCAGCCCCGACCAGTCC
 CGGGGGCGCGGACGGCGGCCCGCGGCCGAGAACAGCGTGCGCCAGCGGCCCGCCGACGCGTCTCCGTCC
 CCCGGCAGCGCGACCCGCGCGGGAGCCCTCGTTGGAGCGCGTCCGGGGCCACCCACAGCCCTGCCG
 CCTTGAGCCGCGCCTGGGCGTCTGTTGGGAGTCCGAGGCGGCACCCGAGCCCGTGCGCCGCCCGCCG
 CCCCTCACCCCGACAGCCCGGCTGAGGGCCGCTTGGTGAAGGCGCAGTACATCCCGGGCGCGCAGGCG
 GCCACCCGAGGCTCCCTGGCCGCGCCGCCCGCAAACCGCCGACTGACCCGCGGCCCGCAGCGTGG
 AGCAGTACCACCCCGGAGCGTCCCGGGCGCCGCCCGCCGTTGGACGCATGGCCGAGGCTTCGGGCCG
 CCGGGCTCGCCAGGGCCCGCAAGGCTCGCGCTCCAGTCTGAGACCAGCTGCTGGGCCGCGCTCC
 GCGTCCCTTCGGGGCCCCAAGTACCCACGGCGGAGCGGGAAGAGCCTCGGCTCCACGGCCAGCC
 GCGGCCAGCGCCACGCTGGCGGCCAGGCCGAGGTCTGCCGTCGTCGGCGTCCACTGCCGAGAT
 CGACGCTGCCGATGGGCGCCGCGTGCAGCCCGAGCCCTGCGGCGCGTGTCCCGGCCCGGCCGCTCC
 CCGTACGCTCCCGAGCGTCTGCTTTACGGCTGCGCGGGCAGCGACTCCGAGTCTCGGCTGGGCGCC
 TGGGGCCCTGGGACGCCGGGGGCTGCGGGAGGCGTCCGGGGGTTACGGGGAGAGCGAATCGAGCGC
 CAGCGAGGGAGAATCGCCTGCCTCAGCTCTGCCTCCAGCGACTCAGACGGCAGCGGTGGCCTCGTGTGG
 CCGCAGCAGTGGTGGCGGCCACCGGGCTCTGGGGTGGAGCAGGTGCAGGGGCGCCCGCAGGCCCGC
 CCAAAGTCTTCGTAAAATCAAAGCTTCCACGCGCTCAAGAAAAGATACTGCGTTTCCGTTCCGGTTC
 TCTCAAGTTCATGACTACAGT

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA



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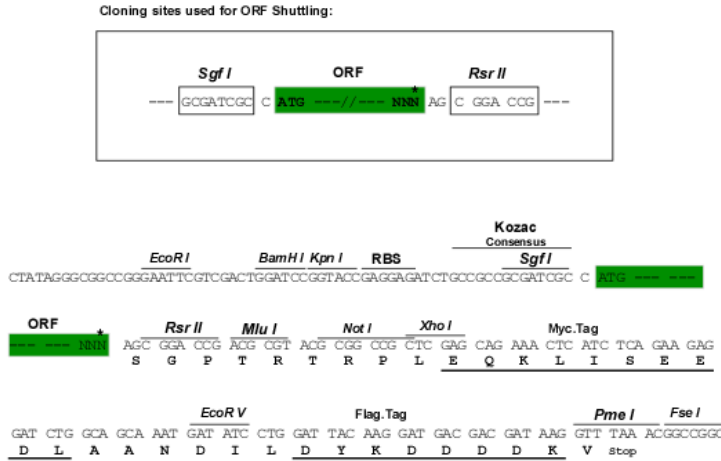
Protein Sequence: >RC238006 representing NM_001301046
Red=Cloning site Green=Tags(s)

MRSRPRPCGRPPTDSPDAGGAGRPLDGYISALLRRRRRRGAGQPRTSPGGADGGPRRQNSVRQRPDASPS
 PGSARPAAREPSLERVGGHPTSPAALSRAWASSWESEAAPEPAAPPAAPSPPDSPAEGRLVKAQYIPGAQA
 ATRGLPGRAARRKPPPLTRGRSVEQSPPRERPRRAAGRRGRMAEASGRRGSPRARKASRSQSETSLGRAS
 AVPSGPPKYPTAEREEPRPRRRRGPAPTLAAQAAGSCRWRSTAEIDAADGRRVRPRAPARVPGPGPS
 PSAPQRRLLYGCAGSDSECSAGRLGPLGRRGPAGVGGYGESESSASEGESPAFSSASSSDSGSGLVW
 PQLVAATAASGGGAGAPAGPAKVFVKIKASHALKKKILRFRSGSLKVMTTY

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

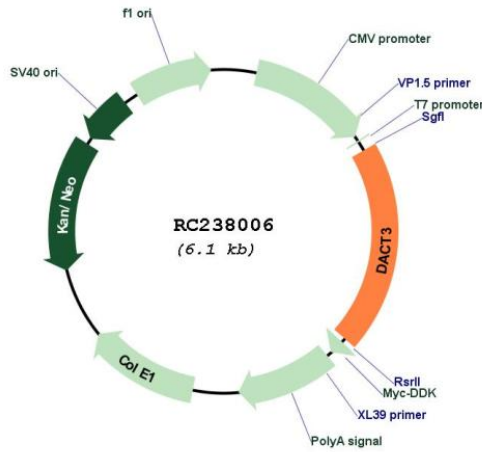
Restriction Sites: SgfI-RsrII

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001301046

ORF Size:	1212 bp
OTI Disclaimer:	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:	<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:	NM_001301046.2
RefSeq Size:	2581 bp
RefSeq ORF:	1215 bp
Locus ID:	147906
UniProt ID:	Q96B18
Cytogenetics:	19q13.32
MW:	41.9 kDa
Gene Summary:	May be involved in regulation of intracellular signaling pathways during development. Specifically thought to play a role in canonical and/or non-canonical Wnt signaling pathways through interaction with DSH (Dishevelled) family proteins.[UniProtKB/Swiss-Prot Function]