

Product datasheet for **SC336952**

DACT2 (NM_001286350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DACT2 (NM_001286350) Human Untagged Clone
Tag:	Tag Free
Symbol:	DACT2
Synonyms:	bA503C24.7; C6orf116; DAPPER2; DPR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

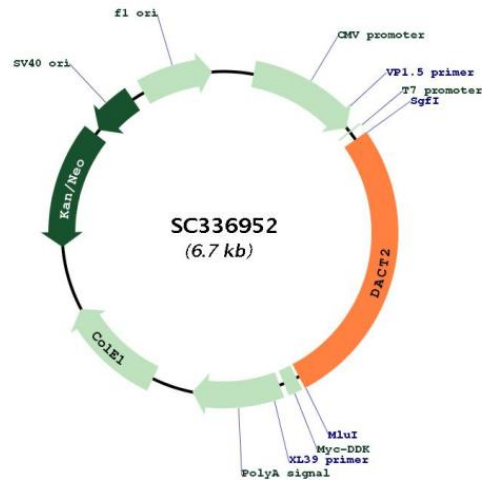


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Fully Sequenced ORF: >SC336952 representing NM_001286350.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGGGACTGGAGGCCCGGTCGGTTGATGAGACTACTGTGCCAGCGTGGAGACCCAGGCTACCGAG
GAGGGCGCCAGGCCCCAGGGAGCGTGGAGGATGCAGGCCAGCCGTGGGGCACATTTCTGGCCAGGCT
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CGACTGCTGGTCTTCGCCCAGGGAGGGAGGACGAGGGAGGGCCAGCTCAGAGCAGGGGTGCCGGCAGG
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GGCTCAAAGCCCTCAAACAGCTGTGTCCCTCAGGGAGACCATGGTGCAGGCTTCTCCAGCTCAAAGGCC
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TCTGAGTCCACCCTCTACCCATGCCTGTCTCGTCCCCTTGCCAGTGGCCCCGAGGAGAGCCACCGG
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CGTGGCAGTCCACCGTGGAGATCTCGGCCGGGCCCGCCTGGCCAGTGTCTGAGTCTAACCTGGGG
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GTCATCCCGGAGACCAGCGAGGGAGAGTCCAGTGACCACACCACCAACCGATTCCGAGACCGTGAGTCC
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GGGCATGCGGAGCTGGCCTGGACCCAGGAGGCCCGGTCAGCTCGGGGCCACTCCTGTCCCCGTGCC
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AAGGTCATGACCATGGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001286350

Insert Size: 1815 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_001286350.1](#)

RefSeq Size: 2469 bp

RefSeq ORF: 1815 bp

Locus ID: 168002

UniProt ID: [Q5SW24](#)

Cytogenetics: 6q27

MW: 64.9 kDa

Gene Summary:

Involved in regulation of intracellular signaling pathways during development. Negatively regulates the Nodal signaling pathway, possibly by promoting the lysosomal degradation of Nodal receptors, such as TGFBR1. May be involved in control of the morphogenetic behavior of kidney ureteric bud cells by keeping cells epithelial and restraining their mesenchymal character. May play an inhibitory role in the re-epithelialization of skin wounds by attenuating TGF-beta signaling (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks a portion of the 5' UTR and 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.