

Product datasheet for **SC318256**

DACT2 (NM_214462) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DACT2 (NM_214462) Human Untagged Clone
Tag:	Tag Free
Symbol:	DACT2
Synonyms:	bA503C24.7; C6orf116; DAPPER2; DPR2
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_214462, the custom clone sequence may differ by one or more nucleotides

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ATGTGGACGCCGGGCGGACCCCCGGGGTCCGCGGGCTGGGACCGCCGTAGGTTGGGCGCG
AGGTTGCGCGCGGGCGTTCGCGGGGCTGCAGGAGCTGCAGGGGCTGCGAGCCACGCAGCAG
GAGCGGGTACGGGGCGCCCTGGCCCTGCAGCCCCCGCCGCGCCCGCCGCGCCCTGCGGC
CCCCACGGCTCCACGGCCCCGAGCAGCAGCTGGAGCGGGCGCTGGCCGCGCTGCAGGAG
CAGCTGTCCC GGCTGAGACAACAGGACATCGGCCTGAAGACCCACTGGACCAGCTGGAC
CTGCAGATTAGCAAGCTGCAGCTGGATGTGGGCACAGCCTCAGGGGAGGCCCTGGACAGC
GACAGCAGGCCAGCTCAGGCTTTTACGAGATGAGCGACGGTGGATCCTGCTCCCTGTCC
ACGTCCTGTGCCTCCGTCTGCAGTGACCACATCTCTCCCTCGCTGGGCAGTTTGTTCCT
GTGGCCAGGCCACAAGGCCAGGCCAGCATGGGGGACTGGAGGCCCGGTGCGTTGAT
GAGACTACTGTGCCAGCGTGGAGACCCAGGCTACCGAGGAGGGCGCCAGGCCCCAGGG
AGCGTGGAGGATGCAGGCCAGCCGTGGGGCACATTCTGGCCAGGCTGTGTCTACAGGT
GATCTTGACAGAGCCCTGCCGGCGACACGGGGCTCCAGAAAGCCAGCGGGACGCCGAG
CTCCTCGGGCTCCTCTGCCAGGGGGTGGATATCCCGCTGCAGTGCAGGCCCAAGTAT
CGGCAGGACCTGGTGTCCAGGGCGGCAGGGAGGTGTACCCGTACCCAGCCCCCTGCAC
GCCGTGGCTCTACAGAGCCCCCTGTTTGTCTGACTAAGGAAACCCACAGAGAGGTGGC
CCCTCGTTCCCTAGGGAGAGCCCCAGGGGCCCGCAGGCTGAACACCATCCAGACTGGG
CCGGTCTCGAGGCTGGCCCGCCAGGGCCAGAGCTTATATCGACAGGTTGCTGCATCTG
TGGGGCCGGGAGACCCAGCAAAGGGTAGCGAGGGAGAACAGGGACCTCTAAGGCATGCA
GCGTCCCCTCTCCACAGAGGCAGGGTGGCTGGAGTACAGACGGTGGAGGGCGACTGCTG
GTCTTCGCCCCAGGGAGGGAGGACGAGGGAGGGCCAGCTCAGAGCAGGGGTGCCGGCAGG
GGCGGGCCCCAGCAGCAGGGATACATGCCCTTGAGGGTCCCCAGCAGCTGCGCAGCCTT
CCAGAGGAGGGCTCCAAGCCCTCAAACAGCTGTGTCTCAGGGAGACCATGGTGCAGGCT
TCTCCCAGCTCAAAGGCCAGCAGACACCCTCAGCTCAGGACTATGGACGAGGCAACATC
ATATCCCCATCCAGGATGCTGGACAAGAGCCCCTCACCGGCTCTGGGCACTTTGCCAC
CCATCCTTTGCTGCCAGCCTGAAAATGGGTCCCCCAAGAGCAAGGCTGAAAAAATCAAG
AGAAGTCCATGGACAAGGTGCTGAGGTTTGAAGGCAGCCGCTGCTTCTACTGGACAGG
CCTGAGGGAGCCATGCAGCCCCCAGCCATCCCTGGAGTGGGACCCTGCCACTGGCCC
ACAGGGAGGGGCGGGCTCCAGCGGAGGCCAGCCCTGGCCTGGGAGGACCCGGGGCGTCC
TGTTCTGAGTCCACCCTCTACCCATGCCTGTCTCCTCGTCCCTTGGCAGTGGCCCCGAG
GAGAGCCACCGGACCTCAGCCCCAAGCCCTGTCCCTTTGAGGGCTCACTGCTCACTCA
GTGGCCAGGAGGAAGCATCGCCGCTGGCAGTCCACCGTGGAGATCTCGGCCCGGGCCGC
CTGGCCAGCTGTCTGAGTCTAACCTGGGGCCCCCAGGCCCGTGGCCAGGAGAGCAGGT
GGCCCACTGGCCCGGGCGTCCCTCACTGGTCCGCCAGGACGCCTACACCAGGAGCGAC
TCAGAGCCCTCCAAGCACTCGGCCGAGTGTGACCCGCGGTTCCCGTCAGTCATCCCGGAG
ACCAGCGAGGGAGAGTCCAGTGACCACACCACCAACCGATTCCGGAGACCGTGAGTCCAGC
AGCAGCGACGAGGAGGGCGGGCCAGAGCAGGGACTGTGACCTGGCACTGGGCTATGTG
GCGGCCGGGCATGCGGAGCTGGCCTGGACCCAGGAGGCCCGGTGAGTCCGGGGCCACTC
TGTCCTCCCGTGCCTAAGCTGTGCCGTATTAAGGCCTCCAAGGCCCTGAAGAAGAAGATC
CGCAGGTTCCAGCCGACGGCCCTGAAGGTCATGACCATGGTG

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Restriction Sites: Please inquire

ACCN: NM_214462

Insert Size: 2992 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:	NM_214462.3 , NP_999627.2
RefSeq Size:	2992 bp
RefSeq ORF:	2325 bp
Locus ID:	168002
UniProt ID:	Q5SW24
Cytogenetics:	6q27
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>