

Product datasheet for **SC114181**

DACT1 (NM_016651) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DACT1 (NM_016651) Human Untagged Clone
Tag:	Tag Free
Symbol:	DACT1
Synonyms:	DAPPER; DAPPER1; DPR1; FRODO; HDPR1; TBS2; THYEX3
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_016651, the custom clone sequence may differ by one or more nucleotides

```
ATGAAGCCGAGTCCGGCCGGGACGGCGAAGGAGCTGGAGCCTCCGGCCGGGCCCGAGGCGAGCAGCGCA
CGGCGGAGCCCGAGGGGCGCTGGCGGGAGAAGGGCGAGGCAGACACCGAGCGGCAGCGCACCCGGGAGCG
GCAGGAGGCCACGCTGGCCGGGCTGGCGGAGCTGGAGTACCTGCGCCAGCGCCAAGAGCTGCTGGTCAGG
GGCGCCCTGCGCGGCGCCGGGGGTGCGGGAGCCGCTGCGCCCGCGCTGGGGGAGCTACTGGGGGAGGCGG
CGCAGCGCAGTCCCTGGAGGAGAAGTTCTTGAGGAGAACATCTTGCTGCTAAGAAAGCAATTGAACTG
TTTGAGGCGAAGAGATGCTGGTTTGTGTAATCAGTTGCAAGAGCTTGACAAGCAGATAAGTGACCTGAGA
CTGGATGTAGAAAAGACATCTGAAGAGCACCTGGAGACAGACAGTCGGCCTAGCTCAGGGTTTTATGAGC
TGAGTGATGGGGCTTCAGGATCCCTTCCAATTCTCTAACTCGGTGTTTCAAGTGTGTTATCCAGTTG
TCATTCCAGCACCTGCTTTTGCAGCCCTTGGAGGCGACCTTGAGTCTCTCAGATGGTTGCCCAAATCT
GCAGATCTCATAGGATTGTTGGAATATAAAGAAGGCCACTGTGAAGACCAGGCCCTCAGGGGCAGTTTGC
GTTCCCTCTCCACACCACAATTTAATCCCTTGATGTCATTGCAGATGTGAATCCCAAGTACCAGTGTGA
TCTGGTGTCTAAAAACGGGAATGATGTATATCGCTATCCAGTCCACTTCATGCTGTGGCTGTGCAGAGC
CCAATGTTTTCTCTTTGTCTGACGGGCAACCCTCTGAGGGAAGAGGACAGGCTTGAAAACCATGCCAGTG
ACATTTGCGGTGGATCTGAGCTAGATGCCGTCAAAAACAGACAGTTCTTACCCTCCCAAGCAGTCTGTG
GTCTGCTTCCCATCCTTCATCCAGCAAGAAAATGGATGGCTACATTCTGAGCCTGGTCCAGAAAAAACA
CACCTGTAAAGGACCAACAAACCAAGAACCAGCGTGAACGCTGACCCACGAAAGGGCTTCTGAGGAACG
GGAGCGTTTGTGTAGAGCCCGGGCGGTGTCTCACAGGGCAACAGTGTGAACCTAAGAATTCGAAACA
AAGCGTGTCTGCCCTCTGGCGGGATACCTTCTCTGAACAATGGGACATTCTCCCCACCGAAGCAGTGGTGC
AAAGAATCAAAGGCCGAACAAGCCGAAAGCAAGAGGGTGGCCCTGCCAGAGGGCTGCCCTCAGGCGCTG
CCTCCGACCTTCAGAGTAAGCACCTGCCAAAAACGGCCAAGCCAGCCTCGCAAGAACATGCTCGGTGTTT
CGCCATTGGGACAGGGGAGTCCCCTAAGGAAAGCGCTCAGCTCTCAGGGGCTCTCCAAAAGAGAGTCTT
AGCAGAGGCCCTGCCCGCCGAGGAGAACAAGTTGTACAGCCCTGAAAAAGATGTCACAGAAAAACA
GCCTGCAGGGCGTCCCCCGGCCACTCCTCCCCTGCTGTCTACAGCTTTCCCGTGAAGAGAGGCCTGC
CTTGATTTCAAGAGCGAGGGCTCTTCCCAAAGCCTGGAGGAAGCGCACCTGGTCAAGGCCAGTTTATC
CCGGGGCAGCAGCCAGTGTGAGCTCCACCGGGCCACAGGAACATGGGCGTGTGAAGAACTCCAGCC
TGAAGCACCGGCCAGCCCTCAGGGGCTGGAGAACGGCTTGCCACCCTCAGGGAGAAAACCGGGG
CGGAGCAAGAAGTGTGCTTCCAGATGACTTGATACAAATAAGAACTCAAGAAAGCCTCCTCCAAG
GGGAGGAAGAGTGGGGGCGGGCCGAGGCTGGTGTTCGCGGACAGCCCGGGGCGGGGGCCACAGGGCGG
GGAGCAGGGCGCATGGCCACGGACGGGAGGCGGTGGTGGCCAAACCTAAGCACAAGCGAAGTACTACCG
GCGGTGGAAGTCTCGGCCGAGATTTCTACGAAGAGGCCCTGAGGAGGGCCCGGCGCGGTGCGCGGGAG
AATGTGGGGTGTACCCCGCCTGTGCCTCTGCCCTACGCCAGCCCTACGCTACGTGGCTAGCGACT
CCGAGTACTCGGCCGAGTGCAGTCCCTGTTCCACTCCACCGTGGTGGACACCAGTGAGGACGAGCAGAG
CAATTACACCACCACTGCTTCGGGGACAGCGAGTGCAGTGTGAGCGAGGGCGAGTTCGTGGGGGAGAGC
ACAACCACCGACTCTGAAGAAAGCGGGGCTTAATTTGGTCCAGTTTGTCCAGACTTGCCCATTC
AAACGGTAACGGCCCCAGACCTTCACAACCACCCGCAAAAACCTTTGTCAAAATTAAGGCGCTCACATAA
CCTCAAGAAGAAGATCCTCCGCTTTGCGTCTGGCTCTTTGAAACTGATGACGACGGTTTGA
```

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016651 unedited</p> <pre> CTCGAGGGCTTCTAGCCACCGTCCCCGCCAGCGCCGCGCCCGCCACAGGGCGGCATGAG CCCACCCGCGGCCGACGCCCTAGCGCCCTGCTCCTCCGCTGGGCGGCCCGGCTGCGGTG ACGGCTCTCGTCCCGACTGGGGGCCATGAAGCCGAGTCCGGCCGGGACGGCGAAGGAG CTGGAGCCTCCGGCGCCGGCCGAGGCGAGCAGCGCACGGCGGAGCCCGAGGGGCGCTGG CGGGAGAAGGGCGAGGCAGACACCGAGCGGCAGCGCACCCGGGAGCGGCAGGAGGCCACG CTGGCCGGGCTGGCGGAGCTGGAGTACCTGCGCCAGCGCCAAGAGCTGCTGGTCAGGGGC GCCCTGCGCGGCCCGGGGTGCGGGAGCCGCTGCGCCCGCGCTGGGGAGCTACTGGGG GAGGCGGCGCAGCGCAGTCGCCTGGAGGAGAAGTTCTTGAGGAGAACATCTTGCTGCTA AGAAAGCAATTGAACTGTTTGGGCGAAGAGATGCTGGTTTGTGAATCAGTTGCAAGAG CTTGACAAGCAGATAAGTGACCTGAGACTGGATGTAGAAAAGACATCTGAAGAGCACCTG GAGACAGACAGTCGGCCTAGCTCAAGGTTTTATGAGCTGAGTGATGGGGCTTCANGATCC CTTTNCAATTCTCTAACTCNGNGGTCAANGAGTGTTATNCAGTTGTCATTTCCAGCACC TGCTTTTGCAGCCCTTGGAGGCACCNTGAGTCTTTAAAAGGGTGCCTCAATCTGCAGATG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016651 unedited</p> <pre> NNNAAATCACTTGNACCGCGCCATCTANGATCGATTTTTTTTTTTTTTTTTTACAGGTG TAAACATCTGGTTTTATACCCAAATAACAACTTAACAGCAGTAAACAAATGGTTTATT ACTGCATATGTTATATTAATTTACACAATGATATATAAAAACACATACTGTTTATATTA TATAGTAATTTAACATCAACAGGAGTATCAACACAAGTACTACTCATGCACAAAACATGC ATATATTGGTATACAAAAGCAATTTTACACAATACTGTTTACCAAAAATTTTTCTTAA AAAACAGCCCTTCCACATAGGATCAAAGTCCAATCTGGACTGGATTGCACTAATATGTT CAGGTCAACGCTTCGGTGGCATAGCGCTCAGTGAGCAATTCTGGGATTGGAGTCATGCC AAGGGTACTTCATTAATAGTGAATGTCTCTGTGCCCAAGGACCAAAAATTTATCCCAAA ACTAAATCCTCCAAGGAATGAAAGGTTGGACTGGCTACAAATTAGGGAGGGAAAAGAAGG CATCTAAATGTTGGATAAACGGCCCTAGAAGGGTTATTAGGAACAGGGCCTAGGCACCA AGTGTGGCAAAAGTTTTGTGAATCCTTTAAGGTCCCTATCGAGGCTGCTATCTCTGGA TTTTAAAGTTTGGCCTCCAAGTCATGAATCTAGTAACAGTTCTGAGAATAAAACCGAATGG GGGTACATCTGAGAAATGTTGACTTCTAAAAAACTTTTGAATACAATGACTGCCCTC ATACCTACTTCACTATTGTAAGGGGTGGCCCTCACCGGAAACACCCCTGGGAAACC TGCCCGGAAACTCAGGAAAAAATTAATCCTCAAAATTCACCCCGGACCTGGGGAT CCAAC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016651
Insert Size:	3900 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_016651.4](#), [NP_057735.2](#)

RefSeq Size: 3775 bp

RefSeq ORF: 2511 bp

Locus ID: 51339

UniProt ID: [Q9NYF0](#)

Cytogenetics: 14q23.1

Gene Summary: The protein encoded by this gene belongs to the dapper family, characterized by the presence of PDZ-binding motif at the C-terminus. It interacts with, and positively regulates dishevelled-mediated signaling pathways during development. Depletion of this mRNA from xenopus embryos resulted in loss of notochord and head structures, and mice lacking this gene died shortly after birth from severe posterior malformations. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]
Transcript Variant: This variant (1) encodes the longer isoform (1).