

Product datasheet for **SC126693**

DIXDC1 (NM_033425) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIXDC1 (NM_033425) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIXDC1
Synonyms:	CCD1
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033425, the custom clone sequence may differ by one or more nucleotides

```
ATGGGAGGGACGCAAGTCAAATGCCTGACTTCACCCAGTCCAATCCACAGTGCAAAGAGCGAGTCCATTA
TAACCCAGTCAGAAGAGAAGGCAGATTTTGTGATTATTCCTCGTGAAGGAATAGAGAACAGAACAGAAGG
GACAGATTCTCCATTATCTCGAGACTGGCGCCAGGGAGCCCTGGAACCTATCTGGAGACCTCATGGGAA
GAACAGCTGTTGGAACAACAAGAATATTTAGAAAAAGAAATGGAGGAAGCAAAGAAAATGATATCAGGAC
TACAGGCCTTACTGCTCAATGGATCCTTACCTGAAGATGAACAGGAGAGGCCCTTGGCCCTCTGTGAACC
AGGTGTCAATCCCGAGGAACAACCTGATTATAATCCAAAGTCGTCTGGATCAGAGTATGGAGGAGAATCAG
GACTTAAAGAAGGAACTGCTGAAATGTAACAAGAAGCCAGAACTTACAGGGGATAAAGGATGCCTTGC
AGCAGAGATTGACTCAGCAGGACACATCTGTTCTTCAGCTCAAACAAGAGCTACTGAGGGCAAATATGGA
CAAAGATGAGCTGCACAACCAGAATGTGGATCTGCAGAGGAAGCTAGATGAGAGGAACCGGCTCTTGGGA
GAATATAAAAAAGAGCTGGGGCAGAAGGATCGCCTTCTTCAGCAGCACCAGGCCAAGTTAGAAGAAGCAC
TCCGAAACTCTCTGATGTCAGTTACCACCAGGTGGATCTAGAGCGAGAGCTAGAACACAAAGATGTCCT
CTTGGCTCACTGTATGAAAAGAGAGGCAGATGAGGCGACCAACTACAACAGTCACAACCTCAAAGCAAT
GGTTTTCTCCTTCCAACGCAGGAAAAGGAGCTACTTCAGTCAGCAACAGAGGGACCAGCGACCTGCAGC
TTGTTTCGAGATGCTCTCCGACGCTGCGCAACAGCTTCAGTGGCCACGATCCTCAGCACCACACTATTGA
CAGCTTGAGCAGGGCATTCTAGCCTCATGGAGCGCCTGCATGTTATGGAGACGCAAGAAGAAACAAGAA
AGAAAGGTTTCGGGTCAAGTCACCCAGAACTCAAGTAGGTAGTGAATACCGGGAGTCTGGCCCCCTAACT
CAAAGTTGCCTCACTCACAGAGCTCTCAAAGTGTGAGCAGCAGCTGACTAAAGTGTCTATTTCACTGA
CCGGTCACTTACGCCCTTATGGTCAATATACCAAAGAGGTTGGAGGAGGTGACGTTAAAGGATTTTAA
GCAGCTATTGATCGGGAAGGAAATCACCGGTATCACTTCAAAGCACTGGATCCTGAGTTTGGCACTGTCA
AAGAGGAGATTTCCATGATGATGATGCCATCCCTGGATGGGAAGGAAAATTGTAGCTTGGGTGGAAGA
AGACCATGGAGAGAATTAA
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033425 unedited
 CATAGGCCGGCCGGAATTCGCACGAGGGGAGGCCAAGATGCAGCGGCCAGGGGCCGGCA
 GCCTGCGAGGGGAGGCAGCTTCCGCCGGGGCCGGGCTGCTGCACAGTCTGAGCGGCCGG
 ACTGCGCGCTTCCAGACCTGGAGCATCCCAGTCGCTGGGGCCGAGACGCCGCCGCCGCC
 CCGTTCCTCCGCTTCTCCCGCGAGCCGGGCCAGTAGCTTTGCTAGCTGGCCTTCCCGTGA
 GGCGTTTTCCAGCCCCAGCGCGGGGAGACATGCCTGAATTTGGGAGCGATGTGACTCTCA
 GCCTCCCACCTTACCCCGGGGACGCAGGCTTGCTGAAGCCCGAGACAGGAGGGGGACCATG
 GGAGGGACGCAAGTCAAATGCCTGACTTACCCAGTCCAATCCACAGTGCAAAGAGCGAG
 TCATTATAACCCAGTCAGAAGAGAAGGCAGATTTTGTGATTATTCCTCGTNGANGGATA
 GAGAACAGAACAGAAGGGACAGATTCTNCATTATCTCGAGACTGGCGGGCAGGGAGCCCT
 GGAACCTATCTGGAGACCTCATGGGAAGAACAGCTGTTGGAACAACAAGATTTTTTAAAA
 AAGGAAATGGAGGGAGCCAAGAAAATGTTTTCGGGACTTCCAGCCTTTCCTGGTCAAGGG
 GACCCCTCCCGAAAAAAAACGAAAAGAGCCCTTGGCCCCCTGGGGAACCCAGGGGTTT
 CCCCCGGGGAAAACCTGTTTTTCCCAAACGCCGGGTAAAAAATGGGGGGGGAA
 AAACCGCCTTTTTAAAAGGAACGCTCGTGGGTGGTGTTTTTATTAAAACACCCCCCTT
 TA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033425 unedited
 AGCTATGGACCGCGCCGCAATCTACAATCGAGTTTTTTTTTTTTTTTTTTGGAGATG
 GGGTCTGCTCTGTAGCCTAGGCTAGAGTGCAAGTGGCATGATCAGCTCACTGCAACCTCA
 AACTCCTGGGCTCAAGCAATCTTCCACCTCAACCTCCTGAGTAGCTGGGACTACAGGTG
 TGTGCCACCATCCCAGCTACTTTTATAATAAAATTTCTATGTAGAGACGGAGTCTTCT
 ACGTTGCCAGGCTGGCCTTGAACCTCTGGGCTCAAGCAGTCTTCTGCCTCGGCCTCCC
 AAAGTGTGGAATTACAGGCATGAGCCACCACACTCAGCCTTAAACGAAGATTTTGAAG
 GAATTGAGCATTCAACTAAACCCGCTTCTGTGAGATGGCCATTCTGTTTTAACCTAACA
 TGGTTTACAGATTATTTATGAACCTAAGCATTCTGGCTCCTCAGTTTTCTCAAACACA
 GACCACCCACAGCAGCATCAGGACCAGTACCCACACCAATGCCCCACGCGCGCATA
 CTATCACTACAGTACGAGGTCCCCTAGAATGCACTCCCCCTGAAACTGCTCCATACCGA
 CTCCGTTTTCCATCCTCCCGCTCATAACGCTCCCTCCCTCCGGCACCCCTGGCCCGAGCG
 ACCCCCATACGATCCTCCTCACCACCGAGTTATGACAGTCCCCCCTCTCATTCCGAT
 GCCTGTCCCCTACCTGCCGTTATTCGCCATACCCCACTTCCCGCACCATAACGAATTTT
 ATGCCCGCCATGCCACCTCACCTTTTTATCGAAGACCCCGCCCGCATTTCCTCC
 CCCACACCCTAAACATCCCTAATAGTTCCGGTCTCGGAACCTCTCTCCACCCCGACCT
 CCCATCCAAAAAACCTATCTTACCCACCCCACTCCTAT

Restriction Sites:

NotI-NotI

ACCN:

NM_033425

Insert Size:

4690 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_033425.1](#), [NP_219493.1](#)

RefSeq Size: 5496 bp

RefSeq ORF: 5496 bp

Locus ID: 85458

UniProt ID: [Q155Q3](#)

Cytogenetics: 11q23.1

Gene Summary: The protein encoded by this gene is a positive regulator of the Wnt signaling pathway. The encoded protein is found associated with gamma tubulin at the centrosome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2013]
Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and lacks multiple 5' coding exons, compared to variant 1. The encoded isoform (b, also known as s-DIXDC1) is shorter and has a distinct N-terminus, compared to isoform a.