

Product datasheet for **SC110791**

TEDC2 (NM_025108) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEDC2 (NM_025108) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEDC2
Synonyms:	C16orf59
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_025108, the custom clone sequence may differ by one or more nucleotides

ATGCTGCCGGCGGGCTGCTCGCGCCGGCTGGTGGCCGAGCTGCAGGGCGCCCTGGACGCCTGCGCACAGC
 GACAATTGCAATTGGAGCAGAGCCTGCGCGTTTGCCGTCGGCTGCTGCATGCCTGGGAACCAACTGGGAC
 CCGGGCTTTGAAGCCACCTCCAGGGCCAGAACTAATGGAGAGGACCCCTTCCAGCATGCACACCCAGT
 CCACAAGACCTCAAAGAGTTGGAGTTTCTGACCCAGGCACTGGAGAAGGCTGTACGAGTTCGAAGAGGCA
 TCACTAAGGCCGGAGAGAGAGACAAGGCCCCAGCCTGAAATCTAGGTCCATTGTACCTCTTCTGGCAC
 GACAGCCTCCGCCCCACCGCATTCCCCAGGCCAAGCTGGTGGCCATGCTTCAGACACGAGACCCACCAAG
 GGCTCCGCCAGACCACGGTGCCTGCCAAGGGCCACCCTGAGCGCCGGCTGCTGTCAGTGGGGGATGGGA
 CCCGTGTTGGGATGGGAGCCCGAACCCAGGCCCTGGGGCGGGCCTCAGGGACCAGCAAATGGCCCCATC
 CGCTGCTCCTCAGGCCCCAGAAGCCTTCACACTCAAGGAGAAGGGGCACCTGCTGCGGCTGCCTGCGGCA
 TTCAGGAAAGCAGCTTCCCAGAACTCGAGCCTGTGGGCCAGCTCAGTTCACACAGACCAAGTATTCCA
 CGGATGCCGCCGCTGCCAAAACCCAGTTCTCCAGAACATGCAGACAGCTTCAGGCGGGCCCCAGCCAG
 GCTCAGTGCTGTGGAGGTGGAGGCGGAGGCGGGGCGCCTGCGGAAGGCCTGCTCGCTGCTGAGACTGCGC
 ATGAGGGAGGAGCTCTCGGCAGCCCCATGGACTGGATGCAGGAGTACCCTGCCTGCTCAGCTGGAGG
 GGCTGCAGGCCATGGTGGGCCAGTGTCTGCACAGGCTGCAGGAGCTGCGTGCAGCGGTGGCGAACAGCC
 ACCAAGACCATGCTCTGTGGGAGGCCCCCGGAGCCTCGCCGTCCTGTGGGGGTAGAGCGGAGCCTGCA
 TGGAGCCCCAGCTGCTTGTCTACTCCAGCACCCAGGAGCTGCAGACCCTGGCGGCCCTCAAGCTGCGAG
 TGGCTGTGCTGGACCAGCAGATCCAATTGAAAAAGGTCCTGATGGCTGAACTCCTCCCCCTGGTAAGCGC
 TGCACAGCCGAGGGGCCGCCCTGGCTGGCCCTGTGCCGGCTGTGCACAGCCTGCTCTGCGAGGGAGGA
 GCACGTGTCTTACCATCCTGCGGGATGAACCTGCAGTCTGA


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_025108 unedited
AATTTCGGCAGGAGGACCTCAAAGAGTTGGAGTTTCTGACCCAGGCACTGGAGAAGGCTG
TACGAGTTCTGAAGAGGCATCACTAAGGCCGGAGAGAGACAAGGCCCCAGCCTGAAAT
CTAGGTCCATTGTACCTCTTCTGGCACGACAGCCTCCGCCCCACCGCATTCCCCAGGCC
AAGCTGGTGGCCATGCTTCAGACACGAGACCCACCAAGGGCCTCCGCCAGACCACGGTGC
CTGCCAAGGGCCACCCTGAGCGCCGGCTGCTGTCACTGGGGATGGGACCCGTGTTGGGA
TGGGAGCCCGAACCCCCAGGCCTGGGGCGGGCCTCAGGGACCAGCAAATGGCCCCATCCG
CTGCTCCTCAGGCCCCAGAAGCCTTCACACTCAAGGGAGAAGGGTAGGTTTCCCGGACC
CTCACTGGAGGGACTTCTGTCTCTGCCTCCTCAGACCCTGGCTAGCAAGGAGCCTGGGAT
TTGGGGTGACAGGGAAGGCAGGGCATCGAGCCCTGTGGCATAACCCTGAGGCTCATGCTC
AGAAGCTGGCAGAATGAAGCAGCTGTGTGGGTGGTGTCCAGGTTGGCACCATCAGGTC
AGGGGAAGTACTGGAGCCTGTCTCCTCTCTTCNTCTGTGGCTGTCCCCTATTGCCCCA
GGCCAGAGGCTCCAGATGGGCTCTGGAGGGCGTGGGATCTGCTCACAGGGCCCCGCTCA
CAGGGCCCCCTCTCTCTTATGGNGCAGCACTGGACGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_025108 unedited
NNNNTTTGTGACCGGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTCTAAAGGGGTTTAATATCACACAAGCGGTT
TTTTGGTCTACAGGGAACAAAAACAGAGGGAGCCAGGAAAGGCTCCCCGCTGGCCTTTGG
AGTCCAGGAGCCTTAAGAAGGGTGAAAGCCCCCCTGACCAGCAGGCTTAATTGCTCTGA
AAAAAACAGGGAGGCCCTGGCCAATTACACAGGTTTCCCAAGGAAACACAGGCATT
TTTGGTCCCCGAGCACAGGGCCAGGGAACACCCCAATCCCATTGTAACAGGCCGA
GGGCAGCATGGGAAAGGCTCAAACTGGCGGTTATCCCGCAGGATGGGAAAGACAGTGC
TCCTTCCTTGCAAAACAGGGTGTGCACAACCCGGGACAAGGCCAGCCAGGCGGGCCCTG
GGGGTGTGCCCGCTTACCAGGGGGGGAGGTCAACCATTACGACCTGGGGGCAGGGCAA
GGGAAGGCCAAGGTCTCAGGGGCACCTAAGGGGNGGGGAATTCTGGGACAGGCTTTGAGG
CCCCATGCTTTAACCCTTCTCCCTTCTTTGAGGGTTACAGGCTCCCTTCTGGCGGGCCA
ACCCCGGTTGACCATGTCTTTTCAAACACACATACAGAACACCAGGGTTGGCCCCAT
TCTTCTGGGTCTGGGGGGGGGAGCAACAACCCCTTACCCTCGGTCCTAAAGGTGG
GGAAGTCTGTTGCCCCCCCCCTTTTTTCAAAAAACCTTTTTAAAGGGATTGTGTGGCCA
ACACCCCTCCCACTTTTGGCCGCCAGGCTCCCATTTTTTGGTGGCGGGGACAACAAAAAC
CGGACGTCACTGGAGTCTCTTTACCCCAAGACG

Restriction Sites:

NotI-NotI

ACCN:

NM_025108

Insert Size:

2130 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:	<u>NM_025108.1, NP_079384.1</u>
RefSeq Size:	1650 bp
RefSeq ORF:	1650 bp
Locus ID:	80178
UniProt ID:	<u>Q7L2K0</u>
Cytogenetics:	16p13.3
Gene Summary:	Acts as a positive regulator of ciliary hedgehog signaling. Required for centriole stability. [UniProtKB/Swiss-Prot Function]