

## Product datasheet for SC125060

### TAZ (NM\_181313) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TAZ (NM_181313) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAZ
Synonyms:	BTHS; CMD3A; EFE; EFE2; G4.5; LVNCX; TAZ; Taz1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125060 sequence for NM_181313 edited (data generated by NextGen Sequencing)

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ATGCCTCTGCACGTGAAGTGGCCGTTCCCGCGGTGCCGCGCTCACCTGGACCCTGGCC
AGCAGCGTCGTCATGGGCTTGGTGGGCACCTACAGCTGCTTCTGGACCAAGTACATGAAC
CACCTGACCGTGCAACAGGGAGGTGCTGTACGAGCTCATCGAGAAGCGAGGCCCGGCC
ACGCCCTCATCACCGTGTCCAATCACCAGTCCTGCATGGACGACCCTCATCTCTGGGGG
ATCCTGAAACTCCGCCACATCTGGAACCTGAAGTTGATGCGTTGGACCCCTGCAGCTGCA
GACATCTGCTTACCAAGGAGCTACACTCCCCTTCTCAGCTTGGCAAGTGTGTGCCT
GTGTGCCGAGGAGATGGCGTCTACCAGAAGGGATGGACTTCATTTGGAGAAGCTCAAC
CATGGGGACTGGGTGCATATCTCCAGAAGGAATCGGGCGCCTGATTGCTGAGTGCAT
CTCAACCCATCATCCTGCCCTGTGGCATGTCGGAATGAATGACGTCTTCTAACAGT
CCGCCCTACTTCCCGCTTTGGACAGAAAATCACTGTGCTGATCGGGAAGCCCTTCAGT
GCCCTGCCTGTA CTGAGCGGCTCCGGGCGGAGAACAAAGTCGGCTGTGGAGATGCCGAAA
GCCCTGACGGACTTCATTCAAGAGGAATTCCAGCATCTGAAGACTCAGGCAGAGCAGCTC
CACAACCACCTCCAGCCTGGGAGATAG

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Clone variation with respect to NM\_181313.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_181313 unedited GTTAGCATTGTATACGACTTTACTATAGGGCGGCCGGAATTCGCACCAGCCGGCCCGG GGCTCTGGGAGCGCCGGCCGGGCGGGTGGGGATGCCTCTGCACGTGAAGTGGCCGTT CCCC CGGTGCCCGCTCACCTGGACCCTGGCCAGCAGCGTCGTCATGGGCTTGGTGGG CACCTACAGCTGCTTCTGGACCAAGTACATGAACCACCTGACCGTGCACAACAGGGAGGT GCTGTACGAGCTCATCGAGAAGCGAGGCCCGGCCACGCCCTCATCACCGTGTCCAATCA CCAGTCCGTGCATGGACGACCCTCATCTCTGGGGATCCTGAAACTCCGCCACATCTGGAA CCTGAAGTTGATGCGTTGGACCCCTGCAGCTGCAGACATCTGCTTACCAAGGAGCTACA CTCCC ACTTCTT CAGCTTGGCAAGTGTGTGCCTGTGTGCCGAGGAGATGGCGTCTACCA GAAGGGGATGGACTTCATTNTGGAGAAGCTCAACCATGGGGACTGGGTGCATATCTTCCC AGAAGGGAAAAGTGAACATGAGTTCCGAATTCCTGCGTTTCAAGTGGGGAATCGGGCGCT GATTGCTGAGTGCATCTCANACCCCATCATCCTGCCCTGTGGCATGTCNGAATGAATGA CGTCTTCTAACAGTCCGNCCTACTTTCCCGCTTTGGACAGAAAATCACTGTGCTGAT CGGAAGCCCTT CAGTGCCTGCCTGTACTCGAGCGGCTCCGNNCGAGACCAGTCGGCT GTTGAGATGCCGAAAGCCTGACGGACTTCATTCAGAAGAATCCACCTCTGGAGACTTAG CAGACAGCTTACACCCTCCAGCTGGAGATAGCCTGCTGCTGCTTCTGATTCTGGCCCG CANACTGNGCTGAGGATGACTGAGCTTTACTCAAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_181313
<b>Insert Size:</b>	1700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_181313.1</a> , <a href="#">NP_851830.1</a>
<b>RefSeq Size:</b>	1772 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	6901
<b>UniProt ID:</b>	<a href="#">Q16635</a>
<b>Cytogenetics:</b>	Xq28
<b>Protein Families:</b>	ES Cell Differentiation/IPS, Transmembrane

**Gene Summary:**

This gene encodes a protein that is expressed at high levels in cardiac and skeletal muscle. Mutations in this gene have been associated with a number of clinical disorders including Barth syndrome, dilated cardiomyopathy (DCM), hypertrophic DCM, endocardial fibroelastosis, and left ventricular noncompaction (LVNC). Multiple transcript variants encoding different isoforms have been described. A long form and a short form of each of these isoforms is produced; the short form lacks a hydrophobic leader sequence and may exist as a cytoplasmic protein rather than being membrane-bound. Other alternatively spliced transcripts have been described but the full-length nature of all these transcripts is not known. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) lacks two in-frame coding exons compared to variant 1, resulting in a shorter isoform (4) compared to isoform 1.