

Product datasheet for **SC116485**

TIMM17B (NM_005834) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMM17B (NM_005834) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMM17B
Synonyms:	DXS9822; JM3; TIM17B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005834, the custom clone sequence may differ by one or more nucleotides

```
ATGGAGGAGTACGCTCGGGAGCCCTGCCCATGGCGAATTGTGGATGATTGCGGTGGAGCCTTCACTATGG
GTGTCATCGGTGGCGGAGTCTTCCAGGCCATCAAGGGTTTCCGCAATGCCCTGTTGGAATTCGGCACCG
GTTGAGAGGTAGTGCCAATGCTGTGAGGATCCGAGCCCCCAGATTGGAGGTAGCTTCGCACTGTGGGGG
GGCCTGTTCTCCACCATCGACTGTGGCCTGGTGGCGCTTCGGGGCAAGGAGGATCCCTGGAACCTATCA
CCAGTGGAGCATTGACCGGGGCTGTGCTGGCTGCCCGAGTGGCCACTGGCCATGGTGGGCTCAGCAAT
GATGGGGGGCATCCTGTTGGCCCTCATTGAGGGCGTTGGCATCCTCCTCACTCGTACACAGCCCAGCAG
TTCCGAAATGCGCCCCATTCTGGAGGACCCAGCCAGCTGCCCCCTAAGGATGGCACCCCGGCCCCAG
GCTACCCAGCTATCAGCAGTACCACTGA
```

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_005834 unedited
CACGAGGACGCCAAGGCCAGCCGTGGGGTTCGGGCGGGGAGGCATCGGCCGCACAGAGC
CATGTACCAGACTCGGGGACTCTTAACGTATCTCCCGTACCCCACTCGGTTCTCTGTC
ATTCGGGCTCCGTTATGAGGGGCCACAACCAGAGAAGCCCATGGCGAATTGTGGATGATT
GCGGTGGAGCCTTCACTATGGGTGTCATCGGTGGCGGAGTCTTCCAGGCCATCAAGGGTT
TCCGCAATGCCCTGTTGGAATTCGGCACCCGTTGAGAGGTAGTGCCAATGCTGTGAGGA
TCCGAGCCCCCAGATTGGAGGTAGCTTCGCACTGTGGGGGGCCTGTTCTCCACCATCG
ACTGTGGCCTGGTGGCGCTTCGGGGCAAGGAGGATCCCTGGAACCTATCACCAGTGGAG
CATTGACCGGGGCTGTGCTGGCTGCCCGCAGTGGCCACTGGCCATGGTGGGCTCAGCAA
TGATGGGGGGCATCCTGTTGGCCCTCATTGAGGGCGTTGGCATCCTCCTCACTCGCTACA
CAGCCCAGCAGTTCGAAATGCGCCCCATTCTGGAGGACCCAGCCAGCTGCCCCCTA
AGGATGGCACCCCGGCCAGGCTACCCAGCTATCAGCAGTACCACTGGAGAAGCCACT
GCCACCATGGGAGCTACTT
```



View online »

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005834 unedited GGGGGGGCNNNGGGGGGNAAGNNNNNNNTTATANNNNNNNNNNNTTAGTGTGNACCG CGGCCGCTTTNANGATCGAGTTTTTTTTTTTTTTTTTTTGGCATTTCAAACGGGCTTTA ATACTCATCAGGGTGCCACAAAGGAGCTGGGGTGAGAACTTCGTACATGTGAGTGTGG GGCTGGGGTGCCCTGAGAGAGAAAAAGGGACCCATCTGTGAGGGCAGCTGGGGTGCCCA CCCCACCCTGGGACTAGGGAGCAGAGTAGAAACCCCTCTCTGGAGGGTCCCAGGGCTAAC TGGGAGCCAGCCCTCCCTTCGAGGTAGACCATCGGGGAGGGAACCGAGAAGTAGTCCCA TGGTGGCAGTGGCTTCCCTCAGTGGTACTGCTGATAGCTGGGGTAGCCTGGGGCCGGGGTG CCATCCTTAGGGGGCAGCTGGCTGGGGTCTCCAGGAATGGGGGCGCATTTCCGAACTGC TGGGCTGTGTAGCGAGTGAAGGATGCCAACGCCCTCAATGAGGGCCAACAGGATGCC CCCATCATTGCTGAGCCACCATGGCCAGTGGGCCACTGCGGGCAGCCAGCACAGCCCCG GTCAATGCTCCACTGGTATAGAGTTCCAGGGATCCTCCTTGCCCCGAAGCCGACCAGG CCACAGTCGATGGTGGAGAACAGGCCCCCCCACACTGCGAAGCTACCTCCAATCTGGGG GCTCGGATCCTCACAGCATTGGCACTACCTCTCAACCGGTGCCGAATCCACAGGGGCAT TGCCGGAACCCTTGATGGCTGGAAGACTNCGCCCCGATGACCCCTAGTAAAAGCTCCA CGCAATCATCCACAATTCGCCATGGGCTTTCTCTGGGTGTGGCCCTCATAACGGAGCC CGAATGAACAGAAACGANTGGGGTACCGNAGAACCT
Restriction Sites:	NotI-NotI
ACCN:	NM_005834
Insert Size:	950 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:	<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_005834.1 , NP_005825.1
RefSeq Size:	960 bp
RefSeq ORF:	519 bp
Locus ID:	10245
UniProt ID:	O60830
Cytogenetics:	Xp11.23
Domains:	Tim17
Protein Families:	Transmembrane

Gene Summary:

This gene encodes a multipass transmembrane protein that forms an integral component of the mitochondrial translocase TIM23 complex. This complex facilitates the transport of mitochondrial proteins from the cytosol across the mitochondrial inner membrane and into the mitochondrion. There is a pseudogene for this gene on chromosome 12. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2, also known as hTim17b) is shorter than isoform 1.