

## Product datasheet for **SC104655**

### **TIMM23B (AK098044) Human Untagged Clone**

#### Product data:

|                    |                        |
|--------------------|------------------------|
| Product Type:      | Expression Plasmids    |
| Tag:               | Tag Free               |
| Symbol:            | TIMM23B                |
| Synonyms:          | bA592B15.7; TIMM23     |
| Mammalian Cell     | None                   |
| Selection:         |                        |
| Vector:            | <u>pCMV6-XL4</u>       |
| E. coli Selection: | Ampicillin (100 ug/mL) |



**Fully Sequenced ORF:** >NCBI ORF sequence for AK098044, the custom clone sequence may differ by one or more nucleotides

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AGCTTAACGGGAACCGGCGCCCGGAATGTCAGCGTGTGAAGTAGGCGCTGGCAACGCGGGGTACCCGCT
GTTATTGAGGAGTAACGGCCAGCGGACCACCCAGGCTTGAGGCAGCGGCGGAACCACTCGGTTTGCTG
CGATACCATGGAAGGAGGCGGGGAAGCGGCGACAAAACACAGGGGTATTGGCCGGCTTTTTCGGAGCC
GGCGAAGCAGGTTACTCGCACGCGGATTTGGCTGGCGTCCCGCAGTCAGGACCTCGTTCTGTCACCCATG
TTGGGGTGGGTGGCATGATTATAGTTCACTGAAGCCTGGCACTCCTGAGCTCAAACAATCCTCCCTCT
AAGCCTCCTAAGTAGCTGGGAATCTAGTAAGTGGTATGAACCTCTGTCTCTTATTTAAATGTGGATCC
ACGATACCTCGTGAGGATACAGATGAGTTCAATTTACCTACCGGAGCTAATAAACCTGGGGCAGATTT
GAGCTGGCCTTCTTTACGATTGGAGGGTGTTCATGACAGGGGCTGCGTTTGGGGCAATGAATGGTCTTC
GGCTAGGATTGAAGGAAACCCAGAACATGGCCTGGTCCAAACCAGGAAATGTACAGATTTTGAATATGGT
GACTAGGCAAGGGGCACCTTTGGGCTAATACTCTAGGTTCTCTGGCGTTGCTCTATAGTGCATTTGGTGTC
ATCATTGAGAAAAACAGAGGTGCAGAAGATGACCTTAACACAGTAGCAGCTGGAACCATGACAGGCATGT
TGTATAAATGTACAGTGTGAGAGATGGCTTTGGATTCCCCGTTCTGTGTCTGTCTGTGGCTCCGAAC
CCAGCTGTAGAGGTGTGTGTCATCCCACTGGTGAAGTACTGAGAAGGAGCTACACAAAAGGCAGCAAA
GTATTAGTAAGTGTACCTCTGACATTTTAAACACCTCTGACTTTTCCATGGAATGGACAAGTAGTAGTCT
CTGTCAGAGCTACATTTAAAGGAGAAAAAGAACGTGAAGTCATGAAGTGTATTTATTTATGCTGTTATTT
TTGTGTTTACTCACCTCATTTATATTGACTTGTAAATTAGTAATTTCTGAACCTATTATTTATCAATTCAT
TGCCTACATGTCAGCAACAAATTTTCTTCTTAATAAAGAATCCAGTTGCTGGGCACAATGGTTCACACC
TGTGATCTCAGCACGTTTGGAGGGCAAGGCGGAGGATTCTTGGGGCTAGGAGTTCAGACCGGCTCGG
GCAATATGGCAAGATTTTATCTCTACAAAAAATGAAAACATTGGCTGGGCATGGTGGCTCATTCTATA
GTTTCAGGCTACTGAGGAGCCTGATGTAGGGGGATCACGTGACCCAGTAGTTTGAGGCTGCAGTGAGCTA
TGATCCTAACACTGCTCTCCAGCCTGGGTGACACACCAAGTTGCCATCTCTTCAAAAAGGAATCTAGAG
ACATCAGTGTGTGCACAAGCATGGTTTGTGAATTTGGAAGTGTGTATGTGCATAGTTGTGCTCAAGAATG
TGTTGATGATTATACCTTCTCAGAATGAAGTAATTTTTTTTTTCTTTTTTTTGAGATGGAGTCTTG
CTCTGTTGCCAGGCTGGAGTGCAGTGGTGCTCTCAGCTCACTGCAACCTCTGCCTCCCGGCTTCAAGCAG
TTCTCTGCCTCAGCCTCCCAAGTAGCTGGGACTACAGGCACACACCACCACTCCCGGCTAATTTTTTGT
GTTTTAGTAGAGACGGGGTTTTGCCGTGTTGGCCAGGATGGTCTCGATCCCCGACCTTGATCCACCC
ACCTTGGCCTCCCAAAGTGTGGGATTACAGGTGTGAGCCACCGTGCCTGGCCTGAAGGTCAATTTTATA
AAGATCTCTCCACGTCTTAGATTTGATTCTTCTTTAAATATTTTCTCATTGACATTTGAAAGCACCTG
ACCTTATATAAAATGAACAATTTTCATACTCCATAAAAGGAGAATTATGGCATCATCTATTTCTTTCTC
TTGTCTCATAAATCTAAACCATCAACCTGCTATTTTTGTATACTGTCACACTGTGTATTCCTGCATTG
AATGCCTGTCTGTTGACATTATCTGTAAAAATTGTGGGAAGTTTTCTGCACCTGAAATTTCTGTTATGC
GGATTAATATCCACTATCCATGTTTTTCCAAGTCTTACAGTAGAAAGGGTAAATGCAGCCCTCACAGCA
GCCTGTTGTTGCTCCTGCAAAATGTGTTCCATCACATTACAAAAGCCTCTTTGTCTTCGTGGTCTACC
CTACTAATAAGTTTTTAAAAAATTATGTAATGTGTATATACAAATACCTATATGTATGTGTGTACAC
ATACAGCTGATATCTGCTGAGATTATGTATGCATGAACTATAGAATTAAGTGAATTTTAAAGAAATAA
ATTATTTTGTAAAGATAAATCTCATGTTTAAGAAGAGGAATTACAGTTGAATCATTTAGGGATGCCTCAG
CCTAAACATAATATGAAAAAGCCATAACCAAAAGTCATTTTAGAGTACTGCTAGGTTACTCAACCTATC
ATCACATTTAATTAATGTGAGTTGAACCATG
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| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for AK098044 unedited</p> <pre> NGGCGTTTCACATTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACCAGGCAACGC GGGGTTACCCGCTGTTATTGAGGAGTAACGGCCAGCGGACCACCCAGGCTTGAGGCAGC GGCGGGAACCACTCGGTTTGCTGCGATACCATGGAAGGAGGCGGGGAAGCGGCGACAAA ACCACAGGGGTATTGGCCGGCTTTTTCGGAGCCGGCGAAGCAGGTTACTCGCACGCGGAT TTGGCTGGCGTCCCGCTAACTGGTATGAACCTCTGTCTCTTATTTAAATGTGGATCCA CGATACCTCGTGCAGGATACAGATGAGTTCAATTTACCTACCGAGCTAATAAACCTGG GGCAGATTTGAGCTGGCCTTCTTTACGATTGGAGGGTGTTCATGACAGGGGCTGCGTTT GGGGCAATGAATGGTCTTCGGCTAGGATTGAAGGAAACCCAGAACATGGCCTGGTCCAAA CCAGGAAATGTACAGATTTTGAATATGGTGACTAGGCAAGGGGCACTTTGGGCTAATACT CTAGGTTCTCTGGCGTTGCTCTATAGTGCAATTTGGTGTCATCATTGAGAAAACACGAGGT GCAGAAGATGACCTTAACACAGTAGCAGCTGGAACCATGACAGGCATGTTGTATAAATGT ACAGTGTCAGAGATGGCTTTGGATTCCCCGTTCTGTGTGCTGTCTGGCTCCTGAACC CAGCTGTAGAGGTGTGTCAATCCCACTGGTGAAGTACTGAGAAGAAGCTACACAAAA AGCAGCANAGTATTAGTAAGTGACCTCTGACATTTTAACACCTCTGACTTTTCCATGG AATGGACAAGTAGTAGTCTCTGTGACAGCTACATTTTAAAGGGAGAAAAAACGTGAAG </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ACCN:</b>                        | AK098044                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Insert Size:</b>                 | 2500 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>Note:</b>                        | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq:</b>                      | <a href="#">AK098044.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq Size:</b>                 | 2624 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq ORF:</b>                  | 2624 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Locus ID:</b>                    | 100652748                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cytogenetics:</b>                | 10q11.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Gene Summary:**

May participate in the translocation of transit peptide-containing proteins across the mitochondrial inner membrane. the PAM complex (By similarity).[UniProtKB/Swiss-Prot Function]