

Product datasheet for **SC122667**

TIMM8A (NM_004085) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMM8A (NM_004085) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMM8A
Synonyms:	DDP; DDP1; DFN1; MTS; TIM8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004085 edited
GGGGGAGACACGTGAAGGTCGGTGCGGAGTTCGTCTCTGCAAGCTTGGTCGCCCTGGGAT
GGATTCCTCCTCCTCTTCCCTCCGCGGCGGGTTTGGGTGCAGTGGACCCGAGTTGCAGCA
TTTCATCGAGGTAGAGACTCAAAAAGCAGCGCTTCCAGCAGCTGGTGCACCAAGATGACTGA
ACTTTGTTGGGAGAAGTGCATGGACAAGCCTGGGCCAAAAGTTGGACAGTCGGGCTGAGGC
CTGTTTTGTGAACTGCGTTGAGCGCTTCATTGATACAAGCCAGTTCATCTTGAATCGACT
GGAACAGACCCAGAAATCCAAGCCAGTTTTCTCAGAAAGCCTTTCTGACTGATCTCAGCA
TTACCCCTTTGGAAAAGGAAGGTAGTTCAAGAAATGAAGAGCTGTTGATGGGATGATTGA
AGAAACAGCTATGAGAGGATTGGCTCCCATCTTTGTTACTCTTGGGACATCCTGTCATC
TGAGAATGAACAAAGACCAATTTTTGTGTGTGAAGCTTAAGGGTCATATGTTTGCTTGT
ATTTTTAATGCTAATCTTGTGAAAATAATTGACAGGCGAAAGAAAACCTATTTAGATG
CATATTACTGTACATGGGACTATGCTTTTCTCAAAGCCCATTAAGTCTCCTATAAATT
TTGATAGTGGGACCACATACGTA AAAATCTCTCATTTGTGTGGAGTCATTTCTGATTTCA
GGGGAGATCCTTGTGTTATCAGAAAGGCGAGAAGTAGGGGAAGAATAATTTGGTATCCT
TATCTAGTGTGTTGATTGTCAATGCTGGAGAAAAATATCTGTAAGAGTGTATACAGTAC
ACTTCAGTTATCTTGATCTCCCTTTCTATATGATGATTTGCTTAAATATCCATATTAAG
TAAGTCTCAAGGTAGGGTAGGCAGCCTGAGAGTCTAGAGGCCTTAGTTATAAAGGAATC
TAGCCAGTGAACATAATCTTATTACTAGACTGCCACAAGGAAGAAATTAACCTACCCCTG
TATATCAGGGTACAAAAATTCAGTGATGTGCCTAAATAAGTTATAAAGATTTAGGCCAA
TCAGAAGCTAACAGCAGTTTCAGGTAGAGGTGCATGCCTAATGTTAGTTAGTGTAGATTC
CATTTACTGCATTCTTCTGATCACTGAAATAAAAGCTATATAAGATTA AAAAAAAAAAATC
AAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004085 unedited GAGATCAGGATTTGTNATACGACTCTACTATAGGCGGCCGCGAAATTCGCCATTACGGCC GGGGGAGACACGTGAAGGTCGGTGCGGAGTTCGTCTCTGCAAGCTTGGTCGCCCTGGGAT GGATTCCTCCTCCTCTTCTCCTCCGCGCGGGTTGGGTGCAGTGGACCCGAGTTGCAGCA TTTCATCGAGGTAGAGACTCAAAGCAGCGCTTCCAGCAGCTGGTGCACCAGATGACTGA ACTTTGGTGGGAGAAGTGCATGGACAAGCCTGGGCCAAAGTTGGACAGTCGGGCTGAGGC CTGTTTTGTGAAGTGCAGTGGCGCTTTCATTGATACAAGCCAGTTCATCTTGAATCGACT GGAACAGACCCAGAAATCCAAGCCAGTTTTCTCAGAAAGCCTTTCTGACTGATCTCAGCA TTACCCCTTTGGAAAAGGAAGGTAGTTCAAGAAATGAAGAGCTGTTGATGGGATGATTGA AGAAACAGCTATGAGAGGATTGGCTCCCATCTTTTGTACTCTTGGGACATCCTGTCATC TGAGAATGAACAAAGACCAATTTTTTGTGGGTGAAGCTTAAGGGCATATGTTTGCTTGA TTTTTAATGCTAATCCTTGGAAAATATTGACAGGCAAAAGAAAATCCATTTAGAGGCTA ATACTGTGCATGGGGCTATGCTTTTTCTAGAGGCGCCATTAAGTGGTCCCAAAATTTTG AGAGGGGGACCACATACGTAATAATCTCTCATTGTGTGGGGCCATTCCGGATTCCGGG GGGAATGCCTGGGTTTAACAAAAAGGCCAGAAGATAGGGAAGAAAATTTGGGGACTGA ACTAGTGTGTGATGGTCAAGCCTGGAGAAAACAATCTGGTAGAAGTGGTTGATCCGGAA CCCTCGAGTGTTCTGGTGCCCCCTTN
Restriction Sites:	Please inquire
ACCN:	NM_004085
Insert Size:	1227 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_004085.2 , NP_004076.1
RefSeq Size:	1168 bp
RefSeq ORF:	294 bp
Locus ID:	1678
UniProt ID:	O60220
Cytogenetics:	Xq22.1
Protein Families:	Druggable Genome

Gene Summary:

This translocase is involved in the import and insertion of hydrophobic membrane proteins from the cytoplasm into the mitochondrial inner membrane. The gene is mutated in Mohr-Tranebjaerg syndrome/Deafness Dystonia Syndrome (MTS/DDS) and it is postulated that MTS/DDS is a mitochondrial disease caused by a defective mitochondrial protein import system. Defects in this gene also cause Jensen syndrome; an X-linked disease with opticoacoustic nerve atrophy and muscle weakness. This protein, along with TIMM13, forms a 70 kDa heterohexamer. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Mar 2009]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).