

Product datasheet for SC115360

TIMM10 (NM_012456) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMM10 (NM_012456) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMM10
Synonyms:	TIM10; TIM10A; TIMM10A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115360 sequence for NM_012456 edited (data generated by NextGen Sequencing)

ATGGATCCTCTCAGGGCCCAACAGCTGGCTGCGGAGCTGGAGGTGGAGATGATGGCCGAT
 ATGTACAACAGAATGACCAGTGCCTGCCACCGGAAGTGTGTGCCTCCTCACTACAAGGAA
 GCAGAGCTCTCCAAGGGCGAGTCTGTGTGCCTGGACCGATGTGTCTCTAAGTACCTGGAC
 ATCCATGAGCGGATGGGCAAAAAGTTGACAGAGTTGTCTATGCAGGATGAAGAGCTGATG
 AAGAGGTGCAGCAGAGCTCTGGCCTGCATGA

Clone variation with respect to NM_012456.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012456 unedited
 NNNTTGTGAGAATTTGTATACGACTCCTATGGGCGGCCGCGATTCCGGCACGAGGGGAGG
 CGGGTAACGTTATAGTATTTGTGAGAAGTTGGGGTCTCCGTGGGCATTGTGATCCGTCCC
 AGGCAGTGGATTAGGAGGCCAGAAGGAGATCCCTTCCACGGTGCTAGGCTGAGATGGATC
 CTCTCAGGGCCCAACAGCTGGCTGCGGAGCTGGAGGTGGAGATGATGGCCGATATGTACA
 ACAGAATGACCAGTGCCTGCCACCGGAAGTGTGTGCCTCCTCACTACAAGGAAGCAGAGC
 TCTCCAAGGGCGAGTCTGTGTGCCTGGACCGATGTGTCTCTAAGTACCTGGACATCCATG
 AGCGGATGGGCAAAAAGTTGACAGAGTTGTCTATGCAGGATGAAGAGCTGATGAAGAGGG
 TGACAGCAGAGCTCTGGGCCTGCATGAGGTCCCTGTCAAGTATACACCTGGGGTGTACCCC
 ACCCCTTCCCACTTTAATAAACGTGCTCCCTGTTGGGTGTCATCTGTGAAGACTGCCAGG
 CCTAGGCTCTCTGTAGAGAGTCTTCAAGATCCCGGAGTGGTAGCGCTGTCTCCTGGTGAA
 GGAGTATTTGTACACTGGAATGTGACTGTGTGTGTATGTATGTATATATATATATATAT
 ATATATATATAACAAGTTTGTGACACCTACNNNNNANAAAAANNNAAAAANAAAAA
 ACTCGACTCTANGATTGCGGCCGCGGTCACTAGCTGTTTCCTGAACCAGATCCCCGGNTG
 GGCATCCCTGTGACCCCTCCCCAGTGCCCTCTGTCNCCTTGGGAAGNTGCCACTCCAGTG
 CCCACCAGCCTTGTCTAATAAAAAATTAAGTGCANCATTTTGTGAACTAGGNTGTCTATA
 ATATGNGGGGGGGGGGGGGGGGGG


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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_012456 unedited <pre> GCTATGGACCGGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TGGAGGGGGCAACAACTTGGTTATATATATATATATATATATATACACATACATACA CACACAGTCACATTCCAGTGGGACAAATACTCCTTCACCAGGAGACGCTACCACTCC GGGATCTTGAAGACTCTCTACAGAGAGCCTAGGCCTGGCAGTCTTCACAGATGACACCCA ACAGGGAGCACGTTTATTAAAGGGGAAGGGGGGGGGACACCCAGGGGGGATACTGAC AGGGACCTCATGCAGGCCAGAGCTCTGCTGCACCCTCTTCATCAGCTCTTCATCCTGCA TAGACAACTCTGTCAACTTTTTGCCATCCGCTCATGGATGTCCAGGTACTTAAAGACAC ATCGGTCCAGGCACACAGACTCGCCCTTGAGAGCTCTGCTTCCTGTAGTGAGGAGGCA CACACTTCGGGGGGAGGCACTGGGCATTCTGGGTACATATCGGCCATCATCTCCACCT CCAGCTCCGCAGCCAGCTGTTGGGCCCTGAGAGGATCCATCCTAGCCTAGCACCGTGAA GGGATCTCCTCTGGCCTCCTAATCCACTGCCTGGGACGGATCACAATGCCACGGGAGA CCCCACCTTCTGACAAATACTATAACGCTACCCGCCTCCCCTCGGGGCAATTTGCGGGC GCCCTATAGTGAGCTGAACCACCACAATCTGACGGCGTCATAACCGAACTCTGCCTAAA TAGACCCCCACCGTACCCCCCACCAGCATTGTTNCCACGGGGCGGGTCTCACCACC TTTTGGACCCCCGCTTATTTGCGCCGCCCTATCCCGCCCCCTTCCCCTGGCGTGCCCC CCCACCTTTTCCCCCATTCTCCTCGTCCCCCGTCTCCCCCCCCCTTCCATCGTC CCGCCCCCTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_012456
Insert Size:	6950 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_012456.1</u> , <u>NP_036588.1</u>
RefSeq Size:	658 bp
RefSeq ORF:	273 bp
Locus ID:	26519
UniProt ID:	<u>P62072</u>
Cytogenetics:	11q12.1
Domains:	zf-Tim10_DDP

Gene Summary:

The mitochondrial protein encoded by this gene belongs to a family of evolutionarily conserved proteins that are organized in heterooligomeric complexes in the mitochondrial intermembrane space. These proteins mediate the import and insertion of hydrophobic membrane proteins into the mitochondrial inner membrane, functioning as intermembrane space chaperones for the highly insoluble carrier proteins. [provided by RefSeq, Nov 2011]