

Product datasheet for **SC115362**

TIMM8B (NM_012459) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMM8B (NM_012459) Human Untagged Clone
Tag:	Tag Free
Symbol:	TIMM8B
Synonyms:	DDP2; TIM8B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_012459, the custom clone sequence may differ by one or more nucleotides

ATGCGCAAACACAGCTGTCGGAAGGTGGCGAGCCTGAGGCGAACAATGGCGGAGCTGGGCGAAGCCGATG
AAGCGGAGTTGCAGCGCCTGGTGGCCGCCGAGCAGCAGAAGGCGCAGTTTACTGCACAGGTGCATCACTT
CATGGAGTTATGTTGGGATAAATGTGTGGAGAAGCCAGGGAATCGCCTAGACTCTCGCACTGAAAATTGT
CTCTCCAGCTGTGTAGACCGCTTCATTGACACCACTCTTGCCATCACCAGTCGGTTTGCCAGATTGTAC
AGAAAGGAGGGCAGTAG



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_012459 unedited</p> <p>CAGAAATTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGAGCCTGAGGCGA ACATGGCGGAGCTGGGCGAAACCGATGAAGCGGAGTTGCAGCGCCTGGTGGCCGCCGAGC AGCAGAAGGCGCAGTTTACTGCACAGGTGCATCACTTCATGGAGTTATGTTGGGATAAAT GTGTGGAGAAGCCAGGGAATCGCTAGACTCTCGCACTGAAAATTGTCTCTCCAGCTGTG TAGACCGCTTCATTGACACCACTCTTGCCATCACCAGTCGGTTTGCCCAAATTGTACAAA AAGGAGGGCAGTAGGCCATCCCCAGGAGAATGACAGAAGCAAAGGACTTGTTACTAAGC AGATTTAAGGGTCAGTGGGGGAAAGCTATCAACCCATTGTCAGATCAGCATCAGGCTGTT ATCAAGTCTGTTGGTGCTAAAAAGTAAAAGATGAAATGTTCAAAAAAAAAAAAAAAAAAAC TCGACTCTAGATTGCGGCCGCGGTCTAGCTGTTTCTGAACAGATCCCGGGTGCCATCC CTGTGACCCCTCCCACTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAG CCTTGCTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCTTCTAAATATT ATGGGGTGAGGGGGGTGGTTATTGAAACAAGGGGCAAGTTGGAAGACAACCTGTAGGGC CTGCGGGGTCTATTGGGAACCAAGCTGNAGTGCAGTGGCACAATCTTGGCTACTGCAATC TNCGCTNCTGGGTCAAGCGATTCTCTGNNCTCAGCTTCCGAGTTGTTGGATTCCAGCATG CATGAACAGCTAGCTAATTTTTGTTTTGTAAAAACGGGTTCAATATGGNCAGCTGN NCTCACTCTAATTAAGTGATTACCACTTGCCCTCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_012459
Insert Size:	500 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_012459.1 , NP_036591.1
RefSeq Size:	823 bp
RefSeq ORF:	252 bp
Locus ID:	26521
UniProt ID:	Q9Y5J9
Cytogenetics:	11q23.1
Domains:	zf-Tim10_DDP

Gene Summary:

This gene encodes a member of a well-conserved family of proteins with similarity to yeast Tim mitochondrial import proteins. This gene is encoded by a nuclear gene and is transported into the intermembrane space of the mitochondrion. When formed into complexes, these proteins guide membrane-spanning proteins across the mitochondrial intermembrane space before they are added into the mitochondrial inner membrane. This gene is adjacent to succinate dehydrogenase, subunit D (SDHD), in which mutations have been found in affected members of families with hereditary paraganglioma.[provided by RefSeq, Aug 2009]

Transcript Variant: This variant (1) encodes the functional protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. CCDS Note: The coding region has been updated to start at a downstream in-frame start codon that is supported by conservation data.