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Product datasheet for RG204771

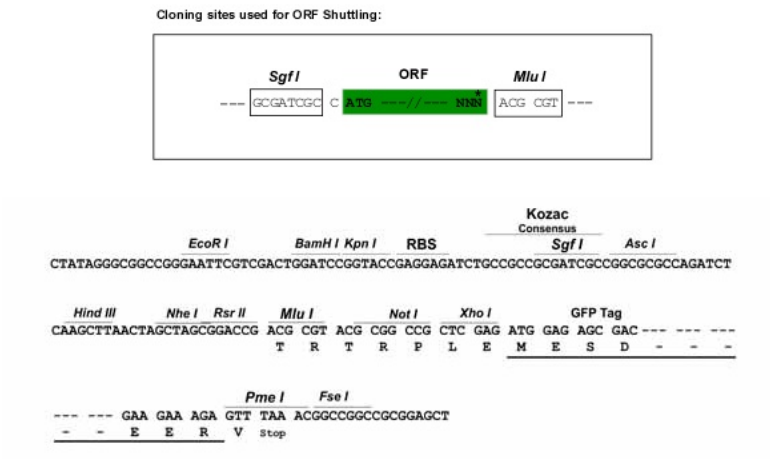
TIMM8A (NM_004085) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMM8A (NM_004085) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TIMM8A
Synonyms:	DDP; DDP1; DFN1; MTS; TIM8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204771 representing NM_004085 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGATTCCTCCTCCTCTTCCTCCGCGGCGGGTTTGGGTGCAGTGGACCCGCAGTTGCAGCATTTCATCG AGGTAGAGACTCAAAAGCAGCGCTTCCAGCAGCTGGTGCACCAGATGACTGAACTTTGTTGGGAGAAGTG CATGGACAAGCCTGGGCCAAAGTTGGACAGTCGGGCTGAGGCCTGTTTTGTGAACTGCGTTGAGCGCTTC ATTGATACAAGCCAGTTCATCTTGAATCGACTGGAACAGACCCAGAAATCCAAGCCAGTTTTCTCAGAAA GCCTTTCTGAC ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>RG204771 representing NM_004085 Red=Cloning site Green=Tags(s) MDSSSSSSAAGLGAVDPQLQHFIEVETQKQRFQQLVHQMTELCWEKCMDKPGPKLDSRAEACFVNCVERF IDTSQFILNRLEQTQKSKPVFSESLSD TRTRPLE - GFP Tag - V
Restriction Sites:	SgfI-MluI

View online »

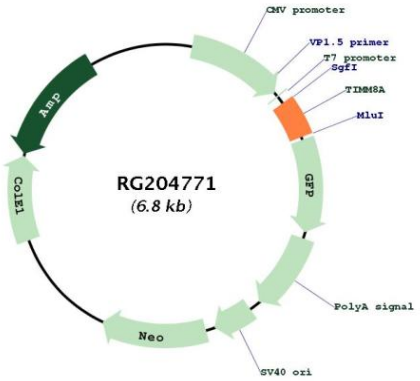
Cloning Scheme:



ACCN:	NM_004085
ORF Size:	291 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_004085.4

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]

Product images:



Circular map for RG204771