

Product datasheet for **RG202600**

TIMP3 (NM_000362) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIMP3 (NM_000362) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TIMP3
Synonyms:	HSMRK222; K222; K222TA2; SFD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202600 representing NM_000362 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCCTTGGCTCGGGCTCATCGTGCTCCTGGGCAGCTGGAGCCTGGGGGACTGGGGCGCCGAGGCGT
GCACATGCTCGCCAGCCACCCCAGGACGCCTTCTGCAACTCCGACATCGTGATCCGGGCAAGGTGGT
GGGAAGAAGCTGGTAAAGGAGGGGCCCTTCGGCAGCTGGTCTACACCATCAAGCAGATGAAGATGTAC
CGAGGCTTACCAAGATGCCCCATGTGCAGTACATCCATACGGAAGCTTCCGAGAGTCTCTGTGGCCTTA
AGCTGGAGGTCAACAAGTACCAGTACCTGCTGACAGGTGCGTCTATGATGGCAAGATGTACACGGGGCT
GTGCAACTTCGTGGAGAGGTGGGACCAGCTCACCTCTCCAGCGCAAGGGGCTGAACTATCGGTATCAC
CTGGGTTGTAAGTCAAGATCAAGTCTGCTACTACCTGCCTTGCTTTGTGACTTCCAAGAACGAGTGTC
TCTGGACCGACATGCTCTCCAATTTTCGGTTACCCTGGCTACCAGTCCAAACACTACGCCTGCATCCGGCA
GAAGGGCGGCTACTGCAGCTGGTACCGAGGATGGGCCCCCGGATAAAAGCATCATCAATGCCACAGAC
CCC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202600 representing NM_000362
 Red=Cloning site Green=Tags(s)

MTPWLGLIVLLGSWSLGDWGAEACTCSPSHQDAFCNSDIVIRAKVVGKKLVKEGPFGLVYTIKQMKMY
 RGFTKMPHVQYIHTEASESLCGLKLEVNKYQYLLTGRVYDGKMYTGLCNFVERWDQLTLSQRKGLNRYRH
 LGCNCKIKSCYLLPCFVTSKNECLWTDMLSNFGYPGYQSKHYACIRQGGYCSWYRGWAPPDKSIINATD
 P

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_000362

ORF Size: 633 bp

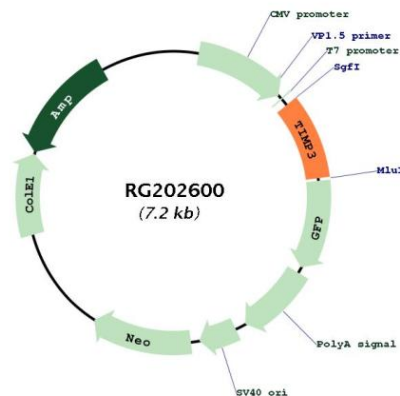
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:	<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:	<u>NM_000362.5</u>
RefSeq Size:	5496 bp
RefSeq ORF:	636 bp
Locus ID:	7078
UniProt ID:	<u>P35625</u>
Cytogenetics:	22q12.3
Domains:	NTR
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202600