

Product datasheet for **MG200652**

Pam16 (NM_025571) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Pam16
Synonyms: 2010110109Rik; AV006767; CGI-136; Magmas; Tim16; Timm16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG200652 representing NM_025571
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCAAGTACCTGGCCAGATCATTGTGATGGGTGTCAGGTGGTGGGCAGAGCCTTTGCCAGGGCCC
TGAGGCAGGAGTTTGCAGCCAGCCAGGCAGCCGCTGACGCTCGAGGGCGTGTGGGCACCAAGTCTGCAGC
TGCATCCAATCTCTCTGGCCTCAGCCTCCAGGAAGCCAGCAGATTCTCAACGTCTCCAAGCTGAGCCCC
GAGGAGGTCCAGAAGAATTATGAACACCTATTTAAAGTGAATGATAAGTCCGTGGGTGGCTCTTTCTACC
TGCAGTCAAAGGTTGTCCGTGCAAAGGAACGTCTAGATGAGGAACCTCGAATACAAGCCAGGAAGACAG
AGAGAAAGGGCAGAAGCCAAAACG

ACGCGTACGCGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200652 representing NM_025571
Red=Cloning site Green=Tags(s)

MAKYLAQIIVMGVQVVGRAFARALRQEF AASQAAADARGRAGHQSAASNL SGLSLQEAQQILNVSKLSP
EEVQKNYHLFKVNDKSVGGSFYLSKVVRAKERLDEELRIQAQEDREKQKPKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_025571

ORF Size: 375 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_025571.1, NP_079847.1](#)

RefSeq Size: 552 bp

RefSeq ORF: 378 bp

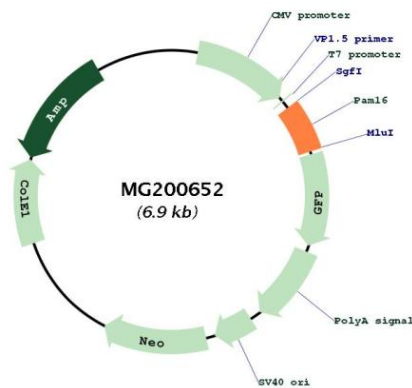
Locus ID: 66449

UniProt ID: [Q9CQV1](#)

Cytogenetics: 16 2.45 cM

Gene Summary: Regulates ATP-dependent protein translocation into the mitochondrial matrix. Inhibits DNAJC19 stimulation of HSPA9/Mortalin ATPase activity (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG200652