

Product datasheet for **MG202883**

Ggps1 (BC006798) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ggps1 (BC006798) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ggps1
Synonyms: 9530089B04Rik, 1810026C22Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202883 representing BC006798
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAACAAAGAGAAAGCTGAGAGGATTCTTCTAGAGCCCTATAGGTACTTACTTCAGTTACCAG
GTAACAGGTGAGAAGCAAACCTTACAGGCATTTAATCACTGGCTGAAAGTTCCAGAAGACAAGCTACA
GATTATCATTGAAGTGACTGAAATGTTGCATAATGCCAGTTTACTCATTGATGATATTGAAGACAGTTCA
AAGCTCCGACGTGGTTTCCAGTGGCTCACAGCATCTATGGTGTCCCATCTGTCATTAATTCTGCCAATT
ACGTCTACTTCTTGGACTGGAAAAAGTCTTAACCCTTGATCACCCGGATGCAGTGAAGCTTTTCACACG
CCAGTCTTCTGAACTTCATCAGGGTCAAGGCCTCGATATTTACTGGAGGGACACCTACACTTGTCCAAC
GAAGAAGAAATATAAGCCATGGTGTGCAGAAGACAGGTGGTTTGGATTAGCAGTAGGCTTTATGC
AGTTGTTCTCTGATTACAAAGAAGATCTAAAGCCACTGCTTGACACACTTGGGCTCTTTTCCAGATTAG
AGATGATTATGCCAATCTACACTCAAAGAATACAGTGAAAACAAAAGTTTCTGTGAAGACTTGACAGAA
GGGAAGTTCTCATTCCCCACTATCCATGCCATTTGGTCAAGGCCAGAAAGCACCCAGTTTCACTACTA
TGCAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202883 representing BC006798
Red=Cloning site Green=Tags(s)

MEKTKEKAERILLEPYRYLLQLPGKQVRSKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDSS
 KLRRGFPVAHSIYGVPSVINSANYVYFLGLEKVLTDHPDAVKLFTRQLLELHQGQLDIYWRDITYCPT
 EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLDLGLFFQIRDDYANLHSKEYSENKSFCEDLTE
 GKFSFPTIHAIWSRPESTQVSLTMQF

TRTRPLE - GFP Tag - V

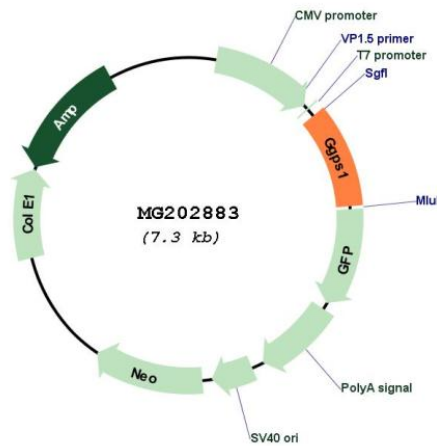
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC006798

ORF Size: 710 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:	<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:	BC006798 , AAH06798
RefSeq Size:	2268 bp
RefSeq ORF:	710 bp
Locus ID:	14593
Cytogenetics:	13 5.29 cM
Gene Summary:	Catalyzes the trans-addition of the three molecules of IPP onto DMAPP to form geranylgeranyl pyrophosphate, an important precursor of carotenoids and geranylated proteins.[UniProtKB/Swiss-Prot Function]