

Product datasheet for MR202883

Ggps1 (BC006798) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggps1 (BC006798) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ggps1
Synonyms:	9530089B04Rik, 1810026C22Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202883 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAAAACAAAGAGAAAGCTGAGAGGATTCTTCTAGAGCCCTATAGGTACTTACTTCAGTTACCAG
GTAACAGGTGAGAAGCAAACCTTACAGGCATTTAATCACTGGCTGAAAGTTCAGAAGACAAGCTACA
GATTATCATTGAAGTGACTGAAATGTTGCATAATGCCAGTTTACTCATTGATGATATTGAAGACAGTTCA
AAGCTCCGACGTGGTTTCCAGTGGCTCACAGCATCTATGGTGTCCCATCTGTCATTAATTCTGCCAATT
ACGTCTACTTCCTGGACTGGAAAAAGTCTTAACCCTTGATCACCCGGATGCAGTGAAGCTTTTCACACG
CCAGTCTTGAACTTCATCAGGGTCAAGGCCTCGATATTTACTGGAGGGACACCTACACTTGTCCAAC
GAAGAAGAAATATAAGCCATGGTGTGCAGAAGACAGGTGGTTTGGATTAGCAGTAGGTCTTATGC
AGTTGTTCTCTGATTACAAAGAAGATCTAAAGCCACTGCTTGACACACTGGGCTCTTTTCCAGATTAG
AGATGATTATGCCAATCTACACTCAAAGAATACAGTGAAAACAAAAGTTTCTGTGAAGACTTGACAGAA
GGGAAGTTCTCATTCCCCACTATCCATGCCATTTGGTCAAGGCCAGAAAGCACCCAGTTTCACTACTA
TGCAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202883 protein sequence
 Red=Cloning site Green=Tags(s)

MEKTKEKAERILLEPYRYLLQLPGKQVRSKLSQAFNHWLKVPEDKLQIIIEVTEMLHNASLLIDDIEDSS
 KLRRGFPVAHSIYGVPSVINSANYVYFLGLEKVLTLDHPDAVKLFTRQLELHQGQGLDIYWRDITYCPT
 EEEYKAMVLQKTGGLFGLAVGLMQLFSDYKEDLKPLLDLTLGLFFQIRDDYANLHSKEYSENKSFCEDLTE
 GKFSFPTIHAISRPSTQVSLTMQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC006798

ORF Size: 708 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.

RefSeq: [BC006798](#), [AAH06798](#)

RefSeq Size: 2268 bp

RefSeq ORF: 710 bp

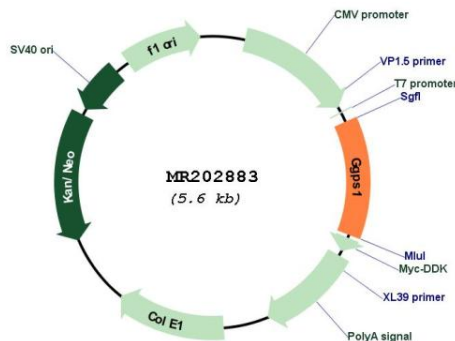
Locus ID: 14593

Cytogenetics: 13 5.29 cM

MW: 27.3 kDa

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]

Product images:



Circular map for MR202883