

Product datasheet for MR227408

Pggt1b (NM_172627) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pggt1b (NM_172627) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pggt1b
Synonyms: 2010207C17Rik; 2610100E13; AI451237; AI551093; BGG1; GGT1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227408 representing NM_172627
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCCACCACCGAGGACGACAGGCTGGCGGGAGCGGAGAAGGAGAACGGCTGGATTTCTGCGGGACC
 GGCACGTGCGTTCTTTACGCGTGCCTCCAGGCTTGCCGGAGCGGTATTCCTCGCTGGAGACCAGCAG
 GTTGACAATTGCCTTTTTGCACCTCTGGGCTGGATATGCTGGACTCCTGGATGTGGTGAACAAAGAC
 GATATAATAGAGTGGATCTACTCCCTGCAGTTCTTCCACAGAAGACAGGTCAAATCTGAGTCGCTGTG
 GTTTCCGAGGTTCTTCATACCTGGGTATTCATTCAATCCATCAAAGAATCCAGGAGCAGCCCATCCTTA
 CGACAGTGGACACATAGCGATGACGTACACGGGGCTTTCCTGTCTGATCATCCTTGGAGATGACTTAGGC
 CGTGTGGATAAAGAGGCTTGCTTAGCAGGCTTGAGAGCGCTTCAGCTGGAAGACGGGAGCTTCTGTGCGG
 TTCTGAAGGCAGTGAGAATGACATGAGGTTTGTGTAAGTGCATCCTGCATTTGCTATATGCTCAACAA
 CTGGTCCGGCATGGATATGAAGAAAGCCATCAGCTACATTAGAAGAAGTATGTCCATGACAATGGGCTG
 GCCCAGGGAGCAGGCCTTGAGTCTATGGAGGATCCACCTTCTGTGGCATTGCGTCACTGTGCCTGATGG
 GTAACCTGGAAGAAGTTTTTTCAGAGAAAGAACTGAACAGGATAAAGAGGTGGTGCATAATGAGGCAGCA
 GAACGGGTACCACGGGAGGCCTAACAAAGCCCGTCGACACCTGCTACTCCTTCTGGGTGGCGCAACACTG
 AAGCTTTTGAAAATTTTCCAGTACACTAAGTTGAGAAGAATAGGAACATCATCAACTCAAGATC
 GCCTTGTGGGGATTTGCTAAATGGCCAGACAGTCATCCAGATGCTTTGCACGGTACTTCGGGATCTG
 CGGCTGTCACTCATGGAGGAGAGTGGGATTTGTAAGTGCACCCCTGCTCTGAATGTAAGCACACGGACT
 TCCGAGCGCTCCGTGATCTCCATCAAAGCTGGAAGACCAAGGACTCCAACAGTCTCAGACAATGTCC
 ACATTGCCACC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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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: [NM_172627.3](#), [NP_766215.1](#)

RefSeq Size: 2736 bp

RefSeq ORF: 1134 bp

Locus ID: 225467

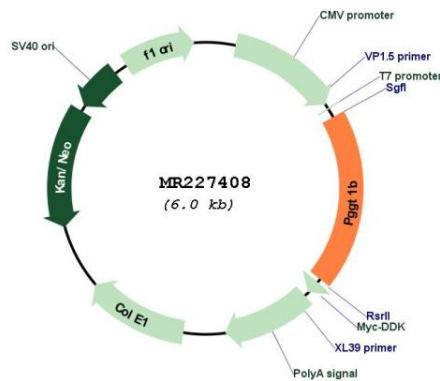
UniProt ID: [Q8BUY9](#)

Cytogenetics: 18 C

MW: 42.8 kDa

Gene Summary: Catalyzes the transfer of a geranyl-geranyl moiety from geranyl-geranyl pyrophosphate to a cysteine at the fourth position from the C-terminus of proteins having the C-terminal sequence Cys-aliphatic-aliphatic-X. Known substrates include RAC1, RAC2, RAP1A and RAP1B (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227408