

Product datasheet for MR202228

Gltp (NM_019821) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gltp (NM_019821) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gltp
Synonyms: 1110001F24Rik; C76925; C77564
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202228 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCTGTGGCCGAGCACCTGCTCAAGCCGCTGCCCGCAGACCGGCAGATCGAGACCGGGCCCTTCC
 TGGAGGCTGTGGCTCACCTGCCGCCCTTTGATTGCCTTGGGTCCCGGTATTCACGCCCATCAAGGC
 AGACATAAGCGGTAACATCACAAAATCAAAGCCGTATATGACACCGACCCAGCCAAGTTCAAGACCCTG
 CAGAACATCCTGGAGGTGAGAAGGGGATGTATGGGGCGGAGTGGCTAAAGTGGGGCCACTCTGGCAC
 TGCTGTGGCTGAAAAGGGGCCTGCGCTTCATCCAGGTGTTCTGCAGAGCATCTGCGATGGGAACGCGA
 CGAGAACCACCCCAACCTCATCCGAGTCAACGCCAACCAAGGCCTATGAGATGGCCCTGAAGAAGTACCAT
 GGCTGGCTGGTGAGAAGATCTTCAAGGCCCTGTACGCAGCACCTTACAAGTCCGACTTCTCAAGG
 CACTCTCAAGGGGCAGAACGTGACAGAGGAGGAGTGCCTGGAGAAGATCCGCCTTCTTGGTCAACTA
 CACGGCCACCATGACGCCATCTACGACATGTACACCAAGATGAATGCGGAGCTTGACTACACAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202228 protein sequence
 Red=Cloning site Green=Tags(s)

MALLAEHLLKPLPADRQIETGPFLEAVAHLPFFDCLGSPVFTPIKADISGNITKIKAVYDTPAKFKTL
 QNILEVEKMGYAEWPKVGATLALLWLRGLRFIQVFLQSIDGERDENHPNLIRVNANKAYEMALKKYH
 GWLVQKIFKAALYAAPYKSDFLKALSKGQNVTEEECLEKIRLFLVNYTATIDAIYDMYTKMNAELDYTV

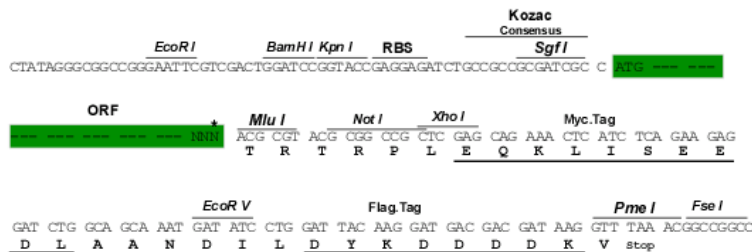
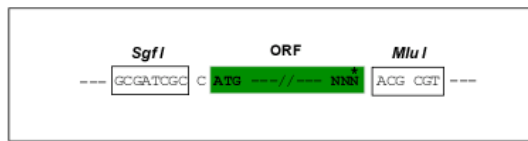
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019821

ORF Size: 630 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: [NM_019821.2](#), [NP_062795.2](#)

RefSeq Size: 1622 bp

RefSeq ORF: 630 bp

Locus ID: 56356

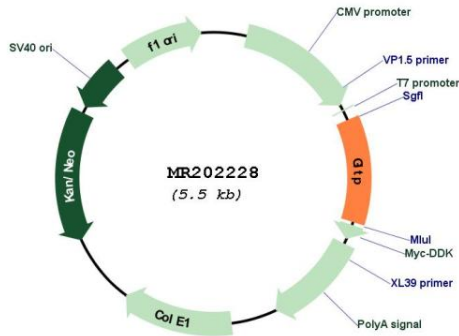
UniProt ID: [Q9JL62](#)

Cytogenetics: 5 F

MW: 23.7 kDa

Gene Summary: Accelerates the intermembrane transfer of various glycolipids. Catalyzes the transfer of various glycosphingolipids between membranes but does not catalyze the transfer of phospholipids. May be involved in the intracellular translocation of glucosylceramides (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202228