

Product datasheet for MR227719

Gngt2 (NM 001284397) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gngt2 (NM_001284397) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Gngt2

Synonyms: AV096488

Mammalian Cell Selection:

ORF Nucleotide

Neomycin

Vector: pCMV6-Entry (PS100001) E. coli Selection: Kanamycin (25 ug/mL) >MR227719 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s) Sequence:

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACCCACGTGATCTGATTTCCAAGACAGGAAAGGAAATCAAGGATTATGTAGAGGCCCAAGCAGGGACAGA CCCTCTCTCAAAGGCATCCCAGAAGACAAGAATCCCTTCAAGGAGAAAGGCACTTGTGTGCTAAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR227719 protein sequence

Red=Cloning site Green=Tags(s)

MAQDLSEKELLRMEVEQLKKEVKNPRDLISKTGKEIKDYVEAQAGTDPLLKGIPEDKNPFKEKGTCVLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

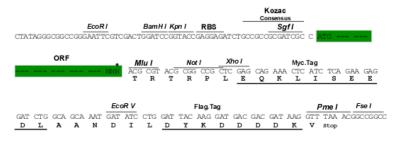
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001284397

ORF Size: 207 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: <u>NM 001284397.1</u>, <u>NP 001271326.1</u>

RefSeq Size: 587 bp



 RefSeq ORF:
 210 bp

 Locus ID:
 14710

 UniProt ID:
 Q61017

Cytogenetics: 11 59.01 cM

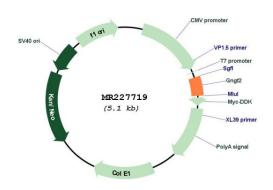
MW: 7.8 kDa

Gene Summary: Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer

in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.

[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227719