

Product datasheet for RC204634L4

RGS18 (NM_130782) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RGS18 (NM_130782) Human Tagged Lenti ORF Clone

Tag:mGFPSymbol:RGS18Synonyms:RGS13

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

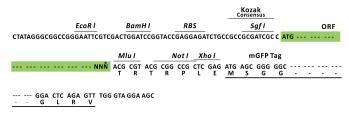
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC204634).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_130782

ORF Size: 705 bp



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RGS18 (NM_130782) Human Tagged Lenti ORF Clone - RC204634L4

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 130782.2</u>

 RefSeq Size:
 2158 bp

 RefSeq ORF:
 708 bp

 Locus ID:
 64407

 UniProt ID:
 Q9NS28

Cytogenetics: 1q31.2

Domains: RGS

MW: 27.6 kDa

Gene Summary: This gene encodes a member of the regulator of G-protein signaling family. This protein is

contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to

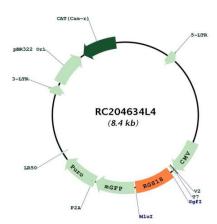
GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit

heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been

thoroughly characterized. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC204634L4