

Product datasheet for **RG221378**

GARNL1 (RALGAPA1) (NM_194301) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GARNL1 (RALGAPA1) (NM_194301) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RALGAPA1
Synonyms:	GARNL1; GRIPE; NEDHRIT; p240; RalGAPalpha1; TULIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221378 representing NM_194301 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG221378 representing NM_194301
 Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

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_194301.4](#)

RefSeq Size: 7851 bp

RefSeq ORF: 6252 bp

Locus ID: 253959

UniProt ID: [Q6GYQ0](#)

Cytogenetics: 14q13.2

Gene Summary: This gene encodes a major subunit of the RAL-GTPase activating protein. A similar protein in mouse binds E12, a transcriptional regulator of immunoglobulin genes. The mouse protein also functions in skeletal muscle by binding to the regulatory 14-3-3 proteins upon stimulation with insulin or muscle contraction. A pseudogene of this gene has been identified on chromosome 9. [provided by RefSeq, Oct 2016]