

Product datasheet for **RG210654**

RPL27 (NM_000988) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL27 (NM_000988) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RPL27
Synonyms: DBA16; L27
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210654 representing NM_000988
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAAGTTCATGAAACCTGGGAAGGTGGTGTCTGCTGGCTGGACGCTACTCCGGACGCAAAGCTG
 TCATCGTGAAGAACATTGATGATGGCACCTCAGATCGCCCTACAGCCATGCTCTGGTGGCTGGAATTGA
 CCGCTACCCCGCAAAGTGACAGCTGCCATGGCAAGAAGAAGATCGCCAAGAGATCAAAGATAAAATCT
 TTTGTAAAGTGTATAACTACAATCACCTAATGCCACAAGGACTCTGTGGATATCCCCTGGACAAA
 CTGTCGTAATAAGGATGTCTTCAGAGATCCTGCTCTTAAACGCAAGGCCGACGGGAGGCCAAGGTCAA
 GTTTGAAGAGAGATACAAGACAGGCAAGAACAAGTGGTCTTCCAGAAACTGCGGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210654 representing NM_000988
 Red=Cloning site Green=Tags(s)

MGKFMKPGKVVLVLAGRYSGRKAVIVKNIDDGTSRDPYSHALVAGIDRYPRKVTAAAMGKKKIAKRSKIKS
 FVKVYNYNHLMPTRYSDIPLDKTVVKNKDVFRDPALKRKRAREAKVKFEERYKTGKNKWFQKLR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_000988

ORF Size: 408 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.

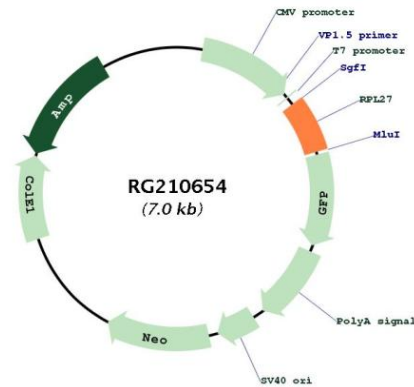
RefSeq: [NM_000988.5](#)

RefSeq Size: 514 bp

RefSeq ORF: 411 bp

Locus ID: 6155
UniProt ID: [P61353](#)
Cytogenetics: 17q21.31
Domains: Ribosomal_L27e, KOW, KOW
Protein Families: Druggable Genome
Protein Pathways: Ribosome
Gene Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of four RNA species and approximately 80 structurally distinct proteins. This gene encodes a member of the L27e family of ribosomal proteins and a component of the 60S subunit. A splice site mutation in this gene has been identified in a Diamond-Blackfan anemia (DBA) patient. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RG210654