

Product datasheet for **RG220719**

RPL34 (NM_033625) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL34 (NM_033625) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RPL34
Synonyms: L34
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG220719 representing NM_033625
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTCCAGCGTTTGACATACCGACGTAGGCTTTCCTACAATACAGCCTTAACAAAAGTAGGCTGTCCC
 GAACCCCTGGTAATAGAATTGTTACCTTTATACCAAGAAGGTTGGAAAGCACCAAAATCTGCATGTGG
 TGTGTGCCAGGCAGACTTCGAGGGTTCGTGCTGTAAGACCTAAAGTTCTTATGAGATTGTCCAAAACA
 AAGAAACATGTCAGCAGGCCTATGGTGGTTCATGTGTGCTAAATGTGTTCGTGACAGGATCAAGCGTG
 CTTTCCTTATCGAGGAGCAGAAAATCGTTGTGAAAGTGTGAAGGCACAAGCACAGAGTCAGAAAGCTAA
 A

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220719 representing NM_033625
 Red=Cloning site Green=Tags(s)
 MVQRLTYRRRLSYNTASNKTRL SRTPGNRIYVLYTKKVGKAPKSACGVCPGRLRGVRAVRPKVLMRLSKT
 KKHVSRAYGSMCAKCVDRDIKRAFLIEEQKIVVKVLAQAQSQKAK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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_033625.3
RefSeq Size:	869 bp
RefSeq ORF:	354 bp
Locus ID:	6164
UniProt ID:	P49207
Cytogenetics:	4q25
Domains:	Ribosomal_L34e
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 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L34E family of ribosomal proteins. It is located in the cytoplasm. This gene originally was thought to be located at 17q21, but it has been mapped to 4q. Overexpression of this gene has been observed in some cancer cells. Alternative splicing results in multiple transcript variants, all encoding the same isoform. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Feb 2016]