

Product datasheet for **RG201613**

RPL10 (NM_006013) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPL10 (NM_006013) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RPL10
Synonyms: AUTSX5; DXS648; DXS648E; L10; MRXS35; NOV; QM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201613 representing NM_006013
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCGCCGCCGCCGTTGTTACCGGTATTGTAAGAACAAGCCGTACCCAAAGTCTCGTTCTGCC
GAGGTGTCCCTGATGCCAAGATTCGATTTTTGACCTGGGGCGGAAAAAGGCAAAAGTGGATGAGTTTCC
GCTTTGTGGCCACATGGTGTGAGATGAATATGAGCAGCTGTCCTCTGAAGCCCTGGAGGCTGCCGAATT
TGTGCCAATAAGTACATGGTAAAAAGTTGTGGCAAAGATGGCTTCCATATCCGGGTGCGGCTCCACCCT
TCCACGTCATCCGCATCAACAAGATGTTGTCTGTGCTGGGGCTGACAGGCTCCAACAGGCATGCGAGG
TGCTTTGGAAAGCCCCAGGGCACTGTGGCCAGGGTTCACATTGGCCAAGTTATCATGTCCATCCGCACC
AAGCTGCAGAACAAGGAGCATGTGATTGAGCCCTGCGCAGGGCCAAGTTCAAGTTTCTGGCCGCCAGA
AGATCCACATCTCAAAGAAGTGGGGCTTACCAAGTTCAATGCTGATGAATTTGAAGACATGGTGGCTGA
AAAGCGGCTCATCCCAGATGGCTGTGGGGTCAAGTACATCCCCAGTCGTGGCCCTCTGGACAAGTGGCGG
GCCCTGCACTCA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201613 representing NM_006013
 Red=Cloning site Green=Tags(s)

MGRRPARCYRYCKNKYPKSRFCRGVPAKIRIFDLGRKKAKVDEFPLCGHMVSDEYEQLSSEALEAARI
 CANKYMKSCGKDFHIRVRLHPFHVIRINKMLSCAGADRLQTGMRGAFGKPQGTVARVHIGQVIMSIRT
 KLQNKHEVIEALRRAKFKFPGRQKIHISSKKWGF TKFNADEFEDMVAEKRLIPDGGCVKYIPSRGPLDKWR
 ALHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006013

ORF Size: 642 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_006013.5](#)

RefSeq Size: 2188 bp

RefSeq ORF: 645 bp

Locus ID: 6134

UniProt ID: [P27635](#)

Cytogenetics: Xq28

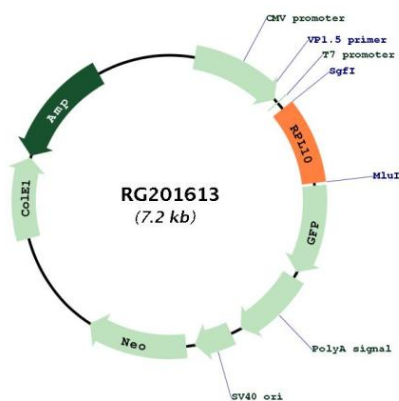
Domains: Ribosomal_L10e

Protein Families: Druggable Genome

Protein Pathways: Ribosome

Gene Summary: This gene encodes a ribosomal protein that is a component of the 60S ribosome subunit. The related protein in chicken can bind to c-Jun and can repress c-Jun-mediated transcriptional activation. Some studies have detected an association between variation in this gene and autism spectrum disorders, though others do not detect this relationship. There are multiple pseudogenes of this gene dispersed throughout the genome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Product images:



Circular map for RG201613