

Product datasheet for **RG223653**

REP15 (NM_001029874) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	REP15
Synonyms:	RAB15EP
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223653 representing NM_001029874
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCAGAAAGCATCGCAACAGTTGGCTCTGAAGGACAGCAAAGAGGTGCCCGTCGCTGTGAGGTGG
TCAGTGAAGCTATAGTCCATGCAGCTCAGAACTGAAGGAGTACCTTGGATTTGAATATCCTCCAAGTAA
ACTCTGCCAGCTGCAAACTCTGAATGAGATCTTCTTAATCCATTTCATCACTTTCTGCCAAGAAAAG
GGAGTTGATGAGTGGCTGACCACCACCAAGATGACCAAGCACCAAGCCTTCCTGTTTGGTGCACTGGA
TTTGGACCTTTTGGGGATCCAACAAGCAAATAAAGCTTCAGCTCGCAGTACAGACTCTGCAGATGTCTTC
ACCTCCTCCTGTGGAATCTAAGCCTTGTGACCTTTCCAATCCAGAATCAAGGGTAGAGGAGTCTTCCTGG
AAGAAAAGTAGATTTGATAAGCTGGAAGAATTCTGTAACCTAATAGGAGAGGATTGCCTGGGTCTGTTTA
TCATCTTTGGTATGCCAGGAAAGCCTAAAGACATCAGGGGAGTTGCTGGACAGTGTCAAAGTCAGAT
GGTGAGGAGCCATCTGCCAGGAGGGAAGGCTGTGGCTCAGTTTGTCTGGAACTGAAGATTGTGTGTTT
ATCAAAGAGCTGCTCAGAAATTGTCTGAGTAAGAAAGACGGGCTGAGAGAGGTGGCAAGGTTTATATCA
GCATTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



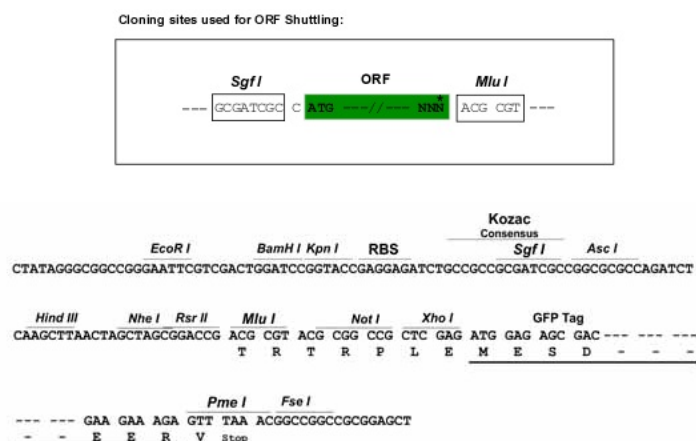
Protein Sequence: >RG223653 representing NM_001029874
Red=Cloning site Green=Tags(s)

MGQKASQQLALKDSKEVPVVEVSEAI VHAAQKLKEYLGFYEPPSKLCPAANTLNEIFLIHFITFCQEK
GVDEWLT TTKMTKHQALFGADWIWTFWGSNKQIKLQLAVQTLQMSPPPVESKPCDL SNPESRVEESSW
KKS RFDKLEEF CNLIGEDCLGLFIIFGMPGPKPIDIRGVVLD SVKSMVRSHLPGGKAVAQFVLETEDCVF
IKELLRNLSKKDGLREVGVKYYISIL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001029874

ORF Size: 708 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001029874.3](#)

RefSeq Size: 1139 bp

RefSeq ORF: 711 bp

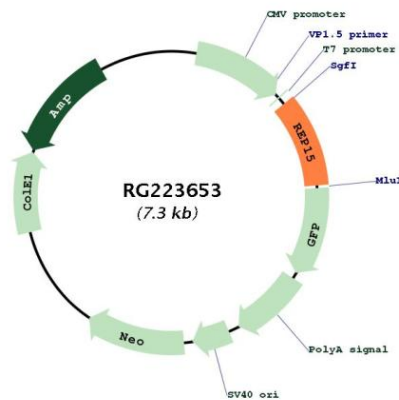
Locus ID: 387849

UniProt ID: [Q6BDI9](#)

Cytogenetics: 12p11.22

Gene Summary: The protein encoded by this intronless gene interacts with GTP-bound Rab15 and is involved in recycling of transferrin receptor from the endocytic recycling compartment to the cell surface. [provided by RefSeq, Sep 2016]

Product images:



Circular map for RG223653