

Product datasheet for **RG205271**

RASL10A (NM_006477) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RASL10A (NM_006477) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RASL10A
Synonyms: RRP22
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205271 representing NM_006477
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGGTAGCCTGCGGGTGGCCGTTCTAGGCGCCCCGGGCGTGGGCAAGACGGCCATCATCCGCCAGT
TCGTGTTTCGGTGACTACCCGAGCGCCACCGGCCACGGACGGGCGCGCCTCTACCGACCCGGGTGCT
GCTCGACGGCGCGTCTACGACTTGAGCATCCGCGACGGCGACGTCGCTGGCCCCGGCTCGAGCCCCGGG
GGTCCGGAGGAGTGGCCAGACGCTAAGGACTGGAGCTTGCAGGACACGGACGCCTTCGTGCTCGTCTACG
ACATCTGCAGCCCGACAGTTTCGACTACGTGAAGGCCCTGCGGCAGCGCATCGCGGAGACCAGGCCGGC
GGGCGCGCCCAAGCGCCATCCTCGTGGTAGGCAACAAGCGGGACAGGCAGCGGCTGCGCTTCGGACCG
CGGCGCGCGCTGGCCGCCCTAGTGCGCAGGGGCTGGCGCTGCGGCTACCTCGAGTCTCCGCCAAGTACA
ACTGGCACGTGCTGCGTCTCTCCGCGAGCTGCTGCGCTGCGCTCTGGTGCAGCGCGGCCCTGCACACCC
GGCCCTGCGCCTGCAGGGGGCGCTGCATCCCGCGCGCTGCAGCCTCATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205271 representing NM_006477
Red=Cloning site Green=Tags(s)

MGGLRVAVLGAPGVGKTAIIRQFVFGDYPERHRPTDGPRLYRPAVLLDGAVYDLSIRDGDVAGPGSSPG
GPEEWPDAKDWSLQDTDAFVLYDICSDFYVKALRQRIAE TRPAGAPEAPILVVGNRDRQRLRFGP
RRALAALVRRGWRCGYLECSAKYNWHVLRFLRELLRCALVRARPAHPALRLQALHPARCSLM

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_006477

ORF Size: 609 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_006477.3](#), [NP_006468.1](#)

RefSeq Size: 1519 bp

RefSeq ORF: 612 bp

Locus ID: 10633

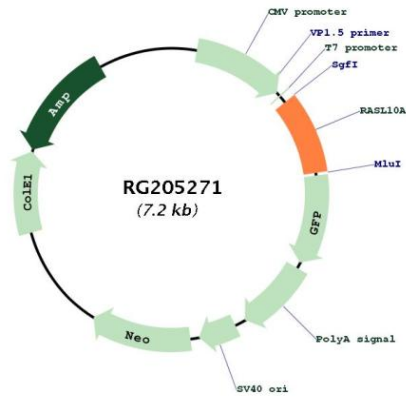
UniProt ID: [Q92737](#)

Cytogenetics: 22q12.2

Domains: RAS, RHO, RAB

Gene Summary: Potent inhibitor of cellular proliferation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205271