

Product datasheet for **RG208076**

RALA (NM_005402) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RALA (NM_005402) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RALA
Synonyms: HINCONS; RAL
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208076 representing NM_005402
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCAAATAAGCCCAAGGGTCAGAATTCCTTGGCTTTACACAAAGTCATCATGGTGGGCAGTGGTG
GCGTGGGCAAGTCAGCTCTGACTCTACAGTTTCATGTACGATGAGTTTGTGGAGGACTATGAGCCTACCAA
AGCAGACAGCTATCGGAAGAAGGTAGTGTAGATGGGGAGGAAGTCCAGATCGATATCTTAGATACAGCT
GGGCAGGAGGACTACGCTGCAATTAGAGACAACACTCTCCGAAGTGGGGAGGGTTCCTCTGTGTTTTCT
CTATTACAGAAATGGAATCCTTTGCAGCTACAGCTGACTTCAGGGAGCAGATTTTAAAGATAAAAGAAGA
TGAGAATGTTCCATTTCTACTGGTTGGTAACAAATCAGATTTAGAAGATAAAAGACAGGTTTCTGTAGAA
GAGGCAAAAAACAGAGCTGAGCAGTGGAATGTTAACTACGTGGAAACATCTGCTAAAAACAGAGCTAATG
TTGACAAGGTATTTTTGATTTAATGAGAGAAATTCGAGCGAGAAAGATGGAAGACAGCAAAAGAAAAGAA
TGGAAAAAGAAGAGGAAAAGTTTAGCCAAGAGAATCAGAGAAAGATGCTGCATTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208076 representing NM_005402
Red=Cloning site Green=Tags(s)

MAANKPKQNSLALHKVIMVSGGVGKSALTLQFMYDEFVEDYEPTKADSYRKKVLDGEEVQIDILDTA
GQEDYAAIRDNYFRSGEFLCVFSITEMESFAATADFREQILRVKEDENVPFLLVGNKSDLEDKRQVSVE
EAKNRAEQWNVNYVETSAKTRANVDKVFDFLMREIRARKMEDSKEKNGKKRKS LAKRIRERCCIL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN:	NM_005402
ORF Size:	618 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:	<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_005402.4
RefSeq Size:	2818 bp
RefSeq ORF:	621 bp
Locus ID:	5898
UniProt ID:	P11233
Cytogenetics:	7p14.1

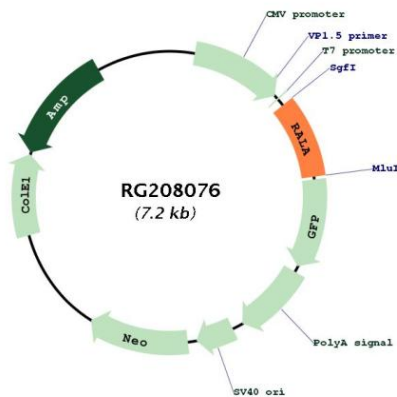
Domains: ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Protein Pathways: Pancreatic cancer, Pathways in cancer

Gene Summary: The product of this gene belongs to the small GTPase superfamily, Ras family of proteins. GTP-binding proteins mediate the transmembrane signaling initiated by the occupancy of certain cell surface receptors. This gene encodes a low molecular mass ras-like GTP-binding protein that shares about 50% similarity with other ras proteins. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208076