

Product datasheet for **RG204592**

RAB3IL1 (NM_013401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB3IL1 (NM_013401) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RAB3IL1
Synonyms:	GRAB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204592 representing NM_013401 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGAGCGGCCACCCAGCCAGACCAGGGCCTCCCGCCGCCCTTGCAGCTGTCCCGTCCCCTGGA
AGAGCACGGACCCTGCCAAGGCCACAGGGAGTCCCCAGGAGCCCTGGTGGAGACCTCTGCAGGGGAGGA
GGCCCAAGGCCAGGAGGGCCCCGACGCCCCAGCTGGACGTGTTGCGCCTGCGCAGCTCTCCATGGAG
ATCCGAGAGAAGGGCTCCGAGTTCCTGAAGGAGGAGCTGCACAGAGCGCAGAAGGAGCTGAAGCTAAAGG
ACGAGGAATGTGAGCGGCTGTCCAAGGTGCGGGAGCAGCTAGAACAGGAGCTGGAAGAGCTGACGGCCAG
CCTGTTTGAGGAAGCTCAACAAGATGGTTGAGAAAGCCAACATGAAGCAGGCGGCATCAGAAAAGCAGCTG
AAGGAGGCTCGGGCAAGATCGACATGCTGCAGGCAGAGGTGACAGCCTTGAAGACACTGGTCATCAGCT
CCACACCAGCCTCTCCAACCGGAGCTTACCCCCAGCTGCTGAGCCCCACCAAGGCCGGGCCCCGAAA
GGGCCACTCTCGCCACAAGAGCACCAGCAGCACCTCTGCCCCGCGTGTGTCCCGCTGCGGGACACACC
CTACCCCAGACAGAGAGGGCAAGGAGGTGGACACAATCCTGTTGACAGATTCCAGGCCTGGAGGGAAT
CCCCACCCTGGACAAGACCTGCCCTTCTGAAAGGGTGTACCGAGAGGACGTGGGCCCTGCCTGGA
GTGGCTTCGACAGCCTGCCACAGTGAAGGTGGCCGAGGTTGACTGTAGCAGCACAACACATGTGCC
TGAGCGGCTGACCCGACCTGCCGCCACGAATCCGGCTCGGGGACTCCAAAAGCCATTACTACATCTC
GCCATTTCCCGGCCAGGATCACCGCAGTGTGCAACTTCTTACCTACATCCGCTACATCCAGCAAGGC
CTGGTGGCCAGGACGCAGAGCCATGTTCTGGGAGATCATGAGGTTGCGGAAGGAGATGCTCACTGGCCA
AGCTCGGCTTCTCCCCAGGAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204592 representing NM_013401
 Red=Cloning site Green=Tags(s)

MWSGPPQPDQGLPPPLAAVPVPWKSTDPQCQGHRESPGALVETSAGEEAQGQEGPAAAQLDVLRLRSSME
 IREKGFSEFLKEELHRAQKELKLDKEECERL SKVREQLQLEEL TASLFEEAHKVMREANMKQAASEKQL
 KEARGKIDMLQAEVTALKTLVITSTPASPNNRELHPQLLSPTKAGPRKGRHSTSSSTLCPAVCPAAGHT
 LTPDREGKEVDITLFAEFQAWRESPTLDKTCPFLE RVYREDVGPCLDFTMQELSVLVRAAVEDNTLTIEP
 VASQTLPTVKVAEVDCCSSTNTCALSGLTRTCRHRIRLGDGSKSHYYISPSSRARITAVCNFFTYIRYIQQG
 LVRQDAEPMFWEIMRLRKEMSLAKLGFPPQEA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013401

ORF Size: 1146 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_013401.2](#), [NP_037533.2](#)

RefSeq Size: 2305 bp

RefSeq ORF: 1149 bp

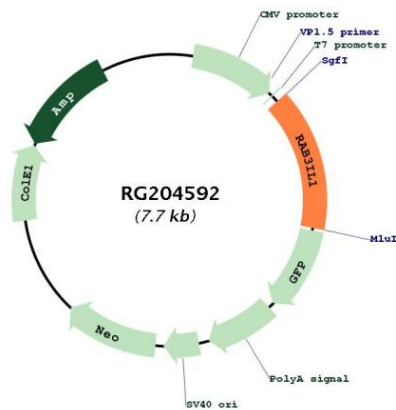
Locus ID: 5866

UniProt ID: [Q8TBN0](#)

Cytogenetics: 11q12.2-q12.3

Gene Summary: This gene encodes a guanine nucleotide exchange factor for the ras-related protein Rab3A. The encoded protein binds Rab3a and the inositol hexakisphosphate kinase InsP6K1. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 7. [provided by RefSeq, Nov 2012]

Product images:



Circular map for RG204592