

Product datasheet for **RG207189**

RHOBTB3 (NM_014899) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RHOBTB3 (NM_014899) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RHOBTB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207189 representing NM_014899
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTCCATCCACATCGTGGCGCTGGGGAACGAGGGGACACATTCACCAGGACAACCAGCCGTCGGGGC
 TTATCCGCACTTACCTGGGGAGAAGCCCTCTGGTCTCCGGGACGAGAGCAGCTTGTTGCTGAACGCGGC
 CAGCACGGTCGCGCGTCCGGTGTTACCCAGTATCAGGCCAGTGCCTTTGGGAATGTCAAGCTGGTGGTC
 CACGACTGTCCCGTCTGGGACATATTTGACAGTGATTGGTACACTTCTCGAAATCTAATTGGGGCGCTG
 ACATCATTGTGATCAAATACAACGTTAATGACAAGTTTTCATTCCATGAAGTAAAGGATAATTATATTCC
 AGTGATAAAAAGAGCATTAAATTCAGTTCAGTAATTATTGCTGCTGTTGGTACCAGACAAAATGAAGAG
 TTACCTTGTACATGCCACTATGTACCTCAGACAGAGGGAGCTGTGTTAGTACAAGTGAAGGGATCCAAC
 TTGCAAAAGAACTAGGAGCAACCTATCTTGAATCCACAGCCTTGATGACTTCTACATAGGAAAGTATTT
 TGGAGGAGTGTTGGAGTATTTTATGATTCAAGCCTTAAATCAGAAGACAAGTGAAAAATGAAGAAAAGA
 AAAATGAGCAACTCCTTTTCATGGAATTAGACCCTCAACTTGAACAACCAGAAAAATGCCTGTCTTAA
 AGGCTGAAGCGTCACATTATACTCTGACTTAAATAACTTGCTGTTCTGCTGCCAGTGTGTGGACGTGGT
 ATTTTATAACCCCGATTTAAAGAAAGTTGTAGAGGCCACAAGATCGTTCTCTGCGCTGTAAAGCCATGTT
 TTCATGCTGCTTTTCAATGTGAAGAGTCCCACTGACATTCAGGATTCCAGTATCATCCGAATACCCAGG
 ATCTTTTGTCTATAAACAGAGATACTGCATTTCCAGGTGCTAGCCATGAATCTTCAGGCAACCCACCATT
 ACGAGTCATTGTTAAAGACGCCCTCTTCTGTTCTTGTGTTTATCAGACATCCTTCGCTTCATTTATTCAGGT
 GCTTTTCAGTGGGAAGAATTGGAAGAAGATACAGGAAGAAGTTGAAAGATTCTGGGGATGTTTCAAATG
 TAATCGAGAAAAGTTAAATGCATTTTAAAAACACCAGGAAAGATTAAATGCCTAAGGAATTGCAAAACCTA
 TCAAGCCAGAAAACCTTTGTGGTTTTATAACACTTCCCTCAAGTTTTTCCTTAATAAGCCGATGCTTGCC
 GATGTTGTCTTCGAAATCAAGGTACGACAGTGCCAGCCACAGGGCCATCCTGGTGGCCCGTTGTGAAG
 TGATGGCAGCCATGTTTAATGGTAATTACATGGAAGCAAAGAGTGTCTGATTCCCGTTTATGGTGTTC
 CAAAGAGACTTTCTGTGATTTTGAATACCTGTACACAGACTCCTGCTGCCAGCTGGCATATTCAG
 GCCATGTGTCTCCTGATCTGTCCGAGATGTACCAAGTGTCCAGACTGCAGCACATCTGTGAGCTGTTCA
 TCATTACCCAGCTGCAGAGCATGCCAAGCAGGGAAGTGGCATCCATGAACCTTGATATAGTTGACCTGCT
 TAAAAAGGCCAAGTTTCACTCTGATTGCCTTTCACTGGCTACTTCATTTTATTGCTACTAACTAC
 CTCATCTTCAGTCAAAAGCCTGAATTTAGGATCTTTCAGTGGAAGAACGCAGTTTTGTTGAAAAGCACA
 GATGGCCGTCGAATATGTACTTGAAGCAGCTTGCAGGAATACAGGAAGTATATTCACTCCCGAAATGTCG
 TTGCTTAGTAATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207189 representing NM_014899
 Red=Cloning site Green=Tags(s)

MSIHIVALGNEGDTFHQDNQPSGLIRTYLGRSPLVSGDESSLLLNAASTVARPVFTEYQASAFGNVKLTV
 HDCPVWDIFDSWYTSRNLIGGADIIVIKYNVNDKFSFHEVKDNYIPVIKRALNSVPVIAAVGTRQNEE
 LPCTCPLCTSDRGSCVSTTEGIQLAKELGATYLELHSLDDFYIGKYFGVLEYFMIQALNQKTSEKMKR
 KMSNSFHGIRPPQLEQPEKMPVLKAEASHYNSDLNLLFCCQCDVVFYNPDLKKVVEAHKIVLCAVSHV
 FMLLFNVKSPTDIQDSSIIRTTQDLFAINRDTAFPGASHSSGNPPLRVIVKDALFCSCLSILRFIYSG
 AFQWEELEEDIRKKLKDSDVSNVIEKVKILKTPGKINCLRNCKTYQARKPLWFYNTSLKFFLNKPMPLA
 DVVFEIQGTTVPAHRAILVARCEVMAAMFNGNYMEAKSVLIPVYGVSKETFLSFLEYLYTDSCCPAGIFQ
 AMCLLICAEMYQVSRLQHICELFIITQLQSMPSRELASMNLDIVDLLKKAKFHHSDDLSTWLLHFATNY
 LIFSQKPEFQDLSVEERSFVEKRWPSNMYLKQLAEYRKYIHSRKCRCCLVM

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN:	NM_014899
ORF Size:	1833 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_014899.2 , NP_055714.2
RefSeq Size:	5566 bp
RefSeq ORF:	1836 bp
Locus ID:	22836

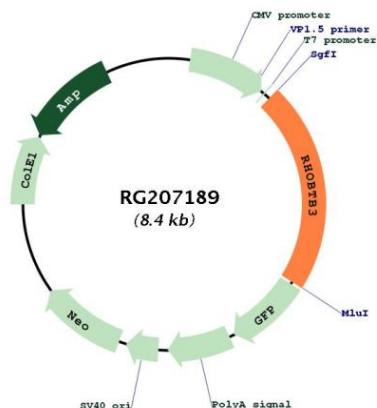
UniProt ID: [O94955](#)

Cytogenetics: 5q15

Domains: BTB

Gene Summary: RHOBTB3 is a member of the evolutionarily conserved RHOBTB subfamily of Rho GTPases. For background information on RHOBTBs, see RHOBTB1 (MIM 607351).[supplied by OMIM, Apr 2004]

Product images:



Circular map for RG207189