

Product datasheet for **SC117291**

RABGGTB (NM_004582) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RABGGTB (NM_004582) Human Untagged Clone
Tag:	Tag Free
Symbol:	RABGGTB
Synonyms:	GGTB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004582, the custom clone sequence may differ by one or more nucleotides

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ATGGGCACTCCACAGAAGGATGTTATTATCAAGTCAGATGCACCGGACACTTTGTTATTGGAGAAACATG
CAGATTATATCGCATCCTATGGCTCAAAGAAAGATGATTATGAATACTGTATGTCTGAGTATTTGAGAAT
GAGTGGCATCTATTGGGGTCTGACAGTAATGGATCTCATGGGACAACCTTCATCGCATGAATAGAGAAGAG
ATTCTGGCATTATTAAGTCTTGCCAACATGAATGTGGTGAATAAGTGCTAGTATCGGACATGATCCTC
ATCTTTTATACACTCTTAGTGCTGTCCAGATTCTACGCTGTATGACAGTATTAATGTTATTGACGTAAA
TAAAGTTGTGGAATATGTTAAAGGTCTACAGAAAGAAGATGGTCTTTTGGCTGGAGATATTTGGGGAGAA
ATTGACACAAGATTCTCTTTTGTGCGGTGGCAACTTTGGCTTTGTTGGGGAAGCTTGATGCTATTAATG
TGGAAAAGGCAATCGAATTTGTTTTATCCTGTATGAACTTTGACGGTGGATTTGGTTGCAGACCAGGTTT
TGAATCCCATGCTGGCAGATCTATTGTTGCACAGGATTTCTGGCAATTACAAGTCAGTTGCATCAAGTA
AATTCTGATTTACTTGGCTGGTGGCTTTGTGAACGACAATTACCCTCAGGCGGGCTCAATGGAAGCCGG
AGAAGTTACCAGATGTATGCTACTCATGGTGGTCTTGGCTTCCCTAAAGATAATTGGAAGACTTCATTG
GATTGATAGAGAGAACTGCGTAATTTCAATTTAGCATGTCAAGATGAAGAAACGGGGGATTTGCAGAC
AGGCCAGGAGATATGGTGGATCCTTTTCATACCTTATTTGGAATTGCTGGATTGTCACTTTGGGAGAAG
AACAGATTAACCTGTTAATCCTGTCTTTTGCATGCCTGAAGAAGTGCTTCAGAGAGTGAATGTTTCAGCC
TGAGCTAGTGAGCTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004582 unedited TGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGGTTAGACATGGGCACT CCACAGAAGGATGTTATTATCAAGTCAGATGCACCGGACACTTTGTTATTGGAGAAACAT GCAGATTATATCGCATCCTATGGCTCAAAGAAAGATGATTATGTATGTATAATTTTTTTA TGTTGGAAAGTTATTTTAAAGAAGTGACAGTCATAAGCAGTGAGACAGTATTTATGT CTTAAATGGCATCCAACCTCCATGCAGAGAAGTGGGATGTGCTGTGCCTTTGAACTTCA GTTAAGTGTGCTTTGGACGTCTGAGGCTGTGGGCTTATTAGAATCTCAGTTTTTACCTAT ACTGAGAGGGCTTGCCAGACAAAAGTAGATGAGGGTTTGAGGTACAAAACGGGTTTCTCTT TTTGTAGTTAGGGTAATACTTTCAAGGTCAATGATGTGTTGGCATGTATTATCTGAATC TATTGCTGATGTGAATAACACTTTAGCTCTAGAATTACTCTGAGACCTTGAAAAAGTTT TACCTTAAATTTTTAAATTTGAGGAAAACCTCTGGGACAATCTTAGCAAAAAGTAGTAA CAACTTAGTTAAGAGTAAATGTTTTCCCTGTAGTATCCAAACTCAGTTGTCTTAGTCTA CCGATTTGTGGATATATGGTATGTATTAATNTTTACTTAAGTGTANGTTCCATAAC CTTNGAAATACCTCTATTAGCATCATGGAGTTAAGGCCATATGGATGGGNGCTGGACTCG TTTCTGCCTTTATCTGCTATCTATCTTTATGCCCTGAATNTGGGTTAGTAGCAACTAAGA GCACCACCTGAAAAAACTCTTNTTCTTTTAGAGCTTNACCTCACTTTGTGCCAGAC TGGAGAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004582 unedited TGTCCGCGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTGTATAATTATATA TTTATTAATAATTTAAACACAATATACAAAATTAACAGTAGTCACTTTTAGATTTCG ATAAGCACTTCAAATACAGAAATGTTAAAATGGCAAACTATACTATGCAACTTTCAATT CAATGAATCTAGCTCACTAGCTCAGGCTGAACATTCACCTCTGAAACACTTCTTCAGGC ATGCAAAAAGACAGGATTAAACAGGTTAATCTGTTCTTCTCCAAAAGTGACAATCCAGCA ATTCAAAATAAGGTATGAAAAGGATCCACCATATCTCCTGGCCTGTCTGCAATCCCCCC GTTTCTTCATCTTGACATGCTAAAATGAAATTACGCAGTTTCTCTATCAATCCAATGA AGTCTTCCAATTATCTTAGGGAAGCCAGGACCCCCATGAGTAGCATAACATCTGGGAAC TTCTCCGGCCTCCATTGAGCCCGCTGAGGGTAATTGTCGTTCCAAAAGCCACCCGCCA AGTAAATCAAAATTTTACTTGATGCAACTGACTTGTAATTGCCAGAAATCCTGGGCAACA ATAGATCTGCCACCCTGGGATCCAAAACCCGGTCTGCCACCCATTCCCCGGTCAAGAT TATACAGGAAAAACAATAACAATTGCCCTTTCCCATTTAAACAATCACGCTTTCTCAC CAAAGCCAAATTGCCCCCCCAAGAGAATCTTGGGTCTTTTCTCCCAATAATCCA GCCAGAGAACCACCTTTTTTCTGTGACCTTCAGCTACTCCCAATCTATTTTACCTCAA TAACTTAATACCTGCATACAGCGCACCATCCGGCCCGCCAACAACGTACAAAAACAGG CGCTGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_004582
Insert Size:	2740 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_004582.2](#), [NP_004573.2](#)

RefSeq Size: 1526 bp

RefSeq ORF: 996 bp

Locus ID: 5876

UniProt ID: [P53611](#)

Cytogenetics: 1p31.1

Domains: prenyltrans

Protein Families: Druggable Genome

Gene Summary: This gene encodes the beta-subunit of the enzyme Rab geranylgeranyl-transferase (RabGGTase), which belongs to the protein prenyltransferase family. RabGGTase catalyzes the post-translational addition of geranylgeranyl groups to C-terminal cysteine residues of Rab GTPases. Three small nucleolar RNA genes are present in the intronic regions of this gene. Alternately spliced transcript variants have been observed for this gene. A pseudogene associated with this gene is located on chromosome 3. [provided by RefSeq, Jan 2013]
Transcript Variant: This variant (1) encodes the supported protein.