

Product datasheet for SC123745

RAB7B (BC007382) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB7B (BC007382) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB7B
Synonyms:	RAB7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC007382 edited

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GGCACGAGGCTTTTCTTCTGGCTCCAGGCAGCAGACAGCAGGGCCTAGCCTGGAGAGGGT
GGACAAGATGTCCTCTCAGGGTCTTCAATGGCCAAGTCCAAGCCACTGCAGAATCTTTC
TGCTACCCGTAAGTATCCTTTCTGAGTTCCAGGCAAAGCTGGGGATGTTAGCCTATGA
CTGTCTCTGACTTGGAAGGTACACCTAGGGGCCGGGGGAGGTGAGCAGGGGAGTTTGG
GAGCCACTTCTCCCCCAGTGGCACTGGAGTGTGAAGTGGCTATTCTGGACACCAGCA
TGGAGCCAGCAGGGAACAGGGGGCAGCCTAGAGCACAAGCTCTATCTGTGCTTCAG
AGCTCCTGGGAAACATGATGCGCCCTCATGGGAATGGCATTTTGCATATCACACAGGCTG
TCCTGGGAGTCAGGCAGACTGGATTGTCACGTGCGGTGTGCATGCAGCAGCTTGTGCACT
GCAGTGGACCTGTGGACATTTCTAAAGGTGCACAACAAATAATAAATGTGTCCTTCTTT
GTTTTTAAAAAAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

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>OriGene 5' read for BC007382 unedited
TACGACTACTATAGGGCGCCGCGAATTCGGCAGCAGGCTTTTCTTCTGGCTCCAGGCA
GCACAGACAGGGCCTAGCCTGGAGAGGGTGACAAGATGTCCTCTCAGGGTCTTCAATGG
CCAAGTCCAAGCCACTGCAGAATCTTCTGTCTACCCGTAAGTATCCTTCTGAGTTC
CAGGCAAAGCTGGGGATGTTAGCCTATGACTGTCATCTGACTTGAAGGTACACCTAGGG
GCCGGGGGAGGTGAGCAGGGGAGTTTGGGAGCCACTTCTCCCCCAGTGGCACTGGAG
TGTGAAGTGGCTATTCTGGACACCAGCATGGAGCCAGCACGGGAACAGGGGGCAGCCT
AGAGCACAAGCTCTATCTGTGTCCTTCAGAGCTCCTGGGAAACATGATGCGCCCTCATGG
GAATGGCATTTCATATCACACAGGCTGTCCTGGGAGTCAGGCAGACTGGATTGTCACG
TGCGGTGTGCATGCAGCAGCTTGTGCACTGCAGTGGACCTGTGGACCATTTCTAAAGGTG
CACAAACANATAATAAATGTGTCCTTCTTTGTTTTTAAAAAAAAAAAAAAAAAACTCGAGT
TNTTTTTTTTTTTTTTTTTNNNTTNTNNNNNTTTTTTTTTTTTTTGGAGAAGCCTGTG
GTTTATTGAAAAGAGCAAGGCTGGTGGGCGTGGGACTCAAAACATGGCAACGGGCAAA
GGCCTGGAACAATTGGGATTCTTCAACTTCTTAAATGCTAATTACCCAGTGGAGCTTTG
GGCTATTTTTTTCAG
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Restriction Sites:	Please inquire
ACCN:	BC007382
Insert Size:	564 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:	<u>BC007382.1</u>
RefSeq Size:	564 bp
Locus ID:	338382
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome
Gene Summary:	Controls vesicular trafficking from endosomes to the trans-Golgi network (TGN). Acts as a negative regulator of TLR9 signaling and can suppress TLR9-triggered TNFA, IL6, and IFNB production in macrophages by promoting TLR9 lysosomal degradation. Also negatively regulates TLR4 signaling in macrophages by promoting lysosomal degradation of TLR4. Promotes megakaryocytic differentiation by increasing NF-kappa-B-dependent IL6 production and subsequently enhancing the association of STAT3 with GATA1. Not involved in the regulation of the EGF- and EGFR degradation pathway.[UniProtKB/Swiss-Prot Function]