

Product datasheet for **SC125483**

RAB34 (NM_031934) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RAB34 (NM_031934) Human Untagged Clone
Tag:	Tag Free
Symbol:	RAB34
Synonyms:	NARR; RAB39; RAH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_031934 edited CACCAGGCGCCCTGCAAGGCCGAGGCAGGATGAACATTCTGGCACCCGTGCGGAGGGAT CGCGTCTGGCGGAGCTGCCCCAGTGCCCTGAGGAAGGAGGCCGCTTTGCACGGGCACAAA GACTTCCACCCCGCGTCACCTGCGCCTGCCAGGAGCACCGGACAGGCACCGTGGGATTT AAGATCTCCAAGGTCATTGTGGTGGGGACCTGTCGGTGGGAAGACTTGCCTCATTAAAT AGGTTCTGCAAAGACACCTTTGATAAGAATTACAAGGCCACCATTGGAGTGGACTTCGAG ATGGAACGATTTGAGGTGCTGGGCATTCCCTTCAGTTTGCAGCTTTGGGATACCGCTGGG CAGGAGAGGTTCAAATGCATTGCATCAACCTACTATAGAGGAGCTCAAGCCATCATCATT GTCTTCAACCTGAATGATGTGGCATCTCTGGAACATACCAAGCAGTGGCTGGCCGATGCC CTGAAGGAGAATGACCCTCCAGTGTGCTTCTCTTCTTGTAGGTTCCAAGAAGGATCTG AGTACCCCTGCTCAGTATGCGCTGATGGAGAAAGACGCCCTCCAGGTGGCCAGGAGATG AAGGCTGAGTACTGGGCAGTCTCATCTCTCACTGGTGAGAATGTCGAGAAATTCTTCTTC CGTGTGGCAGCACTGACCTTTGAGGCCAATGTGCTGGCTGAGCTGGAGAAATCGGGGGCT CGACGCATTGGGGATGTTGTCCGCATCAACAGTGATGACAGCAACCTCTACCTAACTGCC AGCAAGAAGAAGCCACATGTTGCCATGAGGGCTGAGGAGACTGTTAGAGACTGCCCA GCCCTAGGGCACTGTGCCACCCTCATTCTCCAGAGCTTGACCCCTGGACATTTGCACTG ACTTTATCCAGACCAAAGAGCTGCCTCTTGGTGGCAGTATTCCCACAGAGGGGTAGCTGG GATCATGCTAGTCACTTCTGCCCCAGGCACCGTGCCAAAGACTGGATGCCCTACTCC TCAGGGGACTGTCCAGGGCGCCAGTGGTAGTGAG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_031934 unedited NNGGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACCAGGCGCCCTG CAAGGCCCGCAGGCAGGATGAACATTCTGGCACCCGTGCGGAGGGATCGCGTCCTGGCGGA GCTGCCCCAGTGCCTGAGGAAGGAGGCCGCTTTGCACGGGCACAAAGACTTCCACCCCG CGTCACCTGCGCCTGCCAGGAGCACCGGACAGGCACCGTGGGATTTAAGATCTCCAAGGT CATTGTGGTGGGGACCTGTCGGTGGGAAGACTTGCCTCATTAATAGGTTCTGCAAAGA CACCTTTGATAAGAATTACAAGGCCACCATTGGAGTGGACTTCGAGATGGAACGATTTGA GGTGTGGGCATTCCCTTCAGTTTGCAGCTTTGGGATACCGCTGGGCAGGAGAGGTTCAA ATGCATTGCATCAACCTACTATAGAGGAGCTCAAGCCATCATCATTGTCTTCAACCTGAA TGATGTGGCATCTCTGGAACATACCAAGCAGTGGCTGGCCGATGCCCTGAAGGAGAATGA CCCTTCCAGTGTCTTCTTCTTGTAGGTTCCAAGAAGGATCTGAGTACCCCTGCTCA GTATGCGCTGATGGAGAAAGACGCCCTCCAGGTGGCCAGGAGATGAAGGCTGAGTACTG NGCAGTCTCATCTCTCACTGGTGAATGTCCGAGAATCTTCTCCGTGTGGCAGCACT GACCTTTGAGGCAATGTGCTGGCTGAGCTGGAGAAATCGNGGCTCGACGCATTGGGGA TGNTGTCCGCATCAACAGTGTGACAGCAACCTCTACCTAACTGCCAGNCAGAAGAGCCC ACATGTGCCATGAGGACTGANGAGACTGNTCANAGACTGCCAGNCCTAGGNCACNTGTG CANCCCTCATTCTNCAGAGCTTGACCCCTGGACATNTGCACCTGACTTATCCAGACCAAG AGCTG
Restriction Sites:	NotI-NotI
ACCN:	NM_031934
Insert Size:	1500 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:	<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_031934.3 , NP_114140.2
RefSeq Size:	1740 bp
RefSeq ORF:	780 bp
Locus ID:	83871
UniProt ID:	Q9BZG1
Cytogenetics:	17q11.2
Domains:	ras, RAN, RAS, RHO, RAB

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein belonging to the RAB family of proteins, which are small GTPases involved in protein transport. This family member is a Golgi-bound member of the secretory pathway that is involved in the repositioning of lysosomes and the activation of macropinocytosis. Alternative splicing of this gene results in multiple transcript variants. An alternatively spliced transcript variant produces the nine-amino acid residue-repeats (NARR) protein, which is a functionally distinct nucleolar protein resulting from a different reading frame. [provided by RefSeq, Dec 2016]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1. Both variants 1 and 6 encode isoform 1.