

Product datasheet for **SC337449**

Rabenosyn 5 (RBSN) (NM_001302378) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rabenosyn 5 (RBSN) (NM_001302378) Human Untagged Clone
Tag:	Tag Free
Symbol:	RBSN
Synonyms:	Rabenosyn-5; ZFYVE20
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001302378, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTCTCTGGACGCCAGGGGAAGTGAAGGAGGGCTTCTCTGCCCTCTGTGCTGAAGGATCTGC
AGTCTTTCTATCAGTCTCACTCACATTACGAGGAAGAACAACACTCAGGGGAAGACCGTGATGTCAAAGGGCA
AATTTAAAGTCTTGTCCAGAAGGCTAAAAAAGCAAAGGACAGGTTGTTGAAACGAGAAGGGGATGATCGA
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TCTGCAAAGATTCGAGCAATAGAAAAGTCTGTGGTGCCTTGGGTCAACGACCAGGATGTCCCTTTCTGTC
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AGCACCCACACCAGCCCCAGCCAGTCACCCAACAGTGTCCATGGCTCCCGCCGAGGCAGCATCAGCAGCA
TGAGCAGTGTGAGTCCGCTCGGATGAGAAGGACGATACCCGGATCCGCTGCTGTACACTGCAAGGA
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CCCAGCAGAGAGCCTCGCACCCACCTTGCTTATGCTTTGGATCTAGGCTCTTCCCAGTTCCAAGCAGCA
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CAGCCCGCATCCTGAAAGAGTACAATCCTTTCGAGGAAGAGGACGAGGAGGAGGAAGCAGTGGCAGGGAA
TCCATTATTCAGCCAGACAGCCAGCTCCTAACCCTTCAGTGAGGAAGACGAACATCCCAGCAGAGG
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GTGACAGTGGGCCAGAGGCTGAGGAGCCATAGAGGAAGAGCTCCTCCTGCAGCAGATCGATAACATCAA
GGCATAACATCTTTGATGCCAAGCAGTGGCGCCGCTGGATGAGGTAGAGGTGCTGACAGAGAATCTGCGG
GAGCTGAAGCACACCCTGGCCAAGCAGAAGGGGGGCACTGACTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001302378

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_001302378.1](#), [NP_001289307.1](#)

RefSeq Size: 6540 bp

RefSeq ORF: 2355 bp

Locus ID: 64145

UniProt ID: [Q9H1K0](#)

Cytogenetics: 3p25.1

Protein Families: Transcription Factors

Protein Pathways: Endocytosis

Gene Summary: This gene encodes a protein that belongs to the FYVE zinc finger family of proteins. The encoded protein interacts with Ras-related proteins that regulate membrane trafficking. A missense mutation in this gene is associated with a defect in the early endocytic pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.