

Product datasheet for MC202719

Rbsn (NM_030081) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rbsn (NM_030081) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rbsn
Synonyms:	5330426D11Rik; Zfyve20
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC049106 sequence for NM_030081
 CCGGCAGTCAGAACCCGAGGTGAAAGGCAGGCTGCCGACTGCCTGTCCGAAAGCCGAGGGAGTGAGAAA
 GGGTGTCCGACAGAGAGCGCGGGTGGCTGAGATTTCTTCTGCTGAAGAGAGGAAATCTCATCCAAGGCCA
 CAATGTCACTTCCCAATTATCCGAGTGCTGCTCAAGCTAAGCTGCGAGAGTCTGCTCCCTCGGG
 AGGAGTCAAGCTTACTTGGCATGAGGTTCTGCTTTCCTGGGGTTGAGAGAAGCACTAATGCGATCTC
 TTGATGACCCAGGGGAGGTGAGGGAAGGCTTCTGTCCTTTGTGCCTGAAGGACCTTCAGTCTTTCTA
 TCAACTTCAGTCACATTATGAGGAAGAACAACCTTGAAGATCGTGATGTCAAAGGGCAAATAAAAATCTT
 GTTCAGAAAGGCTAGGAAAGCAAAGAACAAGTTGTTGAAACGAGAAGGAGATGATCGAGTGGAAACAGGGA
 CCCAAGGATATGAATCATTGAGTATGGTGGGGTTGATCCTTACATGTGGAAACCCCAAGAGCTTGGTGC
 TATGAGAAGCCATCTTTCTGACTTCAAAAAACATCGTGCTGCAAGAATTGACCACTATGTTGTTGAAGTC
 AATAAATTAATCATCAGGTTGAAAAGCTTACTGCATTTGACAGAACTACTGAGACTTCAAAGATTA
 GAGCAATAGAAAAGTCCGTGGTGCCTTGGGTCAATGACCAGGATGTCCCTTCTGTCCAGACTGTGGGAA
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 GAGCTCATCGGCCTGCCCTTAGCACATAAGCTCACCAGTGCCAGCAAGGACTCTCTGAGCACCCACACCA
 GCCCCAGCCAGTCTCCTAACAGTGTCCATGGCTCCCGCCGGGGCAGCATCAGCAGCATGAGCAGTGTGAG
 CTCAGTCTAGACGAGAAGGATGATGACCGCATCCGCTGCTGCACACACTGCAAGGACAAGCTGCTCAAG
 CGAGAGCAGCAGATGGACGAGAAGGAGCACACGCTGACATCGTGAAGCTCTACGAGAAACTTCGGCTTT
 GCATGGAGAAAAGTTGACCAGAAAAGCTCCCGAATACATCAGGATGGCAGCATCTTTAAATGCTGGGGAGAC
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 AGAGAATGATCAGATACTCAGCTACATTATTTGTGCAGGAAAAGTTACTGGGTTTGTGACTGCCAAC
 CAAAGAACAGTTTGAAGAACTGAAAAAGAAAAGGAAGCAGGACCTGGAGCAGAAGAGGACCGTGGAGAGA
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 CAGGCCAAGGCTGCAGGCCGCACAGATGAGGTGCGCACACTTCAGGAGAAGCTGCCGCAGCTGCAGGATG
 AGTATGACCAGCAGCAGACTGAGAAGGCCATTGAGCTGTCCCGGAAGCAGGCCGAGGAGGAGGAGCTGCA



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GCGGGAGCAGCTACAGATGCTCCGCAAGCGAGAGCTTGAACGAGAACAGGAGCAGTTCTGGCAGCATCC
 CTGCAAACACGGACTCGTGTCTAGAACTCCGAGAAGTTATACCCCTTCCAATTGGAGGCCAGTCGAGGGC
 CTCACATTGATCTCTCCTATTCCTTGGATCAGGACTCCTCCCCAGTTCAGAGCAGCACAGCTCCTGATAT
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 TTCACCGACCCAGACAGTCCAGCACCCAACCCCTTTTATGATGAGGATGACGGTCCCAGGCCCTGCCAGTCCAG
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 GATGCCAAGCAGTGTGGGCGAATGGACGAGGTTGAGGTTCTAACGGAGAACCTCCGGGAGCTGAAGTGCA
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 GGATATCAAGTGTGAGGTGGGATGGGCAGGCATCTGAACACACACAGGTTGGGGTGGGAACAGTAGTCT
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 AGCAGAAGTCTGTCTGACTTGGTTGTTCCCTTTCAGCACGTCACCTAGGGAGATACTGTGTGAAGCCC
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 TCTTGGTGTGCTCAGCTCTGGGAATTTCTTGGTGTGATACTCTTAGTTAATGGACAATAACTGTCC
 ACTAGTCACTTTCCCTCAGCTTCTCTGGCCATGCCTTTTGTGGTACTGGTGTATAAGCTGAAAGT
 CTTCTGTACATTTCTGGTGAAGATCCATCTAGGTGGTAAGAATGTTATCTGGGTGCAAAGATCTCTATGT
 TGGCAGCTTAAATCCCAGTTCATTAGTACATGTTGGGGCTTTGGCTGGATAGAGAGCCCTGTATGGGGCT
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 TTTATGTTACCTGGGGCAGGCTACCTCTTTCTAAAGCCAGGCTCCAGGCATGCCACCATATCTGCCCT
 GCTTGGTCTGCTATTGTGTATGGCAAAGAGGAGTGTAAACAAAGAATGAAGCTAAATTTCTGGTTTC
 CACCATTACTTTTCCAGACTCAAATCAGGTGTTCAAGGTGGTACAACCTGTAGACAATGCTTTTCTTATAA
 GACTGGGCTTCTAATTAGCTGTGAGTACTCGATGGGCAGTAGTGGCACATGACTTTTATCCCAGCACT
 TGGGAAGTAGAGGCAGGAATTTCTGAGTCCAATCCAGCCTGGTCTACAGAGTGAATCCAGGACAGCCA
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 CCTGAGTTTCTCATTGAATTCCTCGCTGACCATATTCTGAAAGTCCAACAGAACAGAGAGACTGTCTG
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 AGGGAACACAGTGCCAGCTTCTTACCCTGGGTGAATACTCGATGATTCCCAAGGATGGAGCACGTCCTT
 GATACGGTGTGGCAGATCCCTTAGGTGTAGGTCCTGTTCATAGTGGACAGGCTTCTTGCTTATCCCTT
 CTAACAACACTAAGGAAGTGGAGCCTCATCACTGCACTTACCACATATCATGCTTTGTCGTCAGACAGT
 AAAACATCTTTCTAAGTCATCATGAGCCATATTGTGTAGCTATGCCATGCGGTTCAAATTTGGAATTGG
 CCTCGGTACGAGGTGAGTACTAGAGGAGCTCGGTGTGCTGGTAATCATGATGACTGTCAGCAAGATGGTCA
 TTGATGCGCATGCACTACACTGGGCCTTGTATTAGAGGCTTTTATTAATAAACATTAATAATATCATTAT
 GTAAGGCTTTTATTAATAAATAAACATGTTTCATGGCTGGAAAAAATAAATAAATAAATAAATAAATAA

Restriction Sites:

Ascl-NotI

ACCN:

NM_030081

Insert Size:	2352 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:	BC049106 , AAH49106
RefSeq Size:	5242 bp
RefSeq ORF:	2352 bp
Locus ID:	78287
UniProt ID:	Q80Y56
Cytogenetics:	6 D1
Gene Summary:	Rab4/Rab5 effector protein acting in early endocytic membrane fusion and membrane trafficking of recycling endosomes. Required for endosome fusion either homotypically or with clathrin coated vesicles. Plays a role in the lysosomal trafficking of CTSD/cathepsin D from the Golgi to lysosomes. Also promotes the recycling of transferrin directly from early endosomes to the plasma membrane. Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate (PtdInsP3). Plays a role in the recycling of transferrin receptor to the plasma membrane (By similarity).[UniProtKB/Swiss-Prot Function]