

Product datasheet for **RN213362**

Ric8b (NM_175598) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ric8b (NM_175598) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ric8b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213362 representing NM_175598
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAAGAGCGGCCCTCTACATCGTCCGGCCGGCAGCGGGGGCTATCGAGCGGGTCTGAGAG
 ATTACAGCGACAAGCATAGGGCTACTTTCAAATTTGAATCAGCAGATGAAGATAAAAAGAAAGAACTCTG
 TGAAGGCATATTTAAGGTCCTGGTAAAGGGTGTCCCAACAACATGCCAAGTGCCCTGCCTGGAAATTCTC
 CGCATTCTCTCCAGAGACAAAAAGATTTTGTCTGTAACAACAGTGGGAAAATATGCAAACTACTGCTGA
 GACTGGCCAAGCTCCATGAGTCGGACGATTCTTTGGAGAAGGTGTGAGAGTTCCCGGTGATTGTGGAGTC
 ATTGAAATGTCTTTGTAACATCGTGTCAACAGTCAGGTGGCACAGCAGCTTAGCCTGGAAGTGAATCTC
 GCTGCAAAGCTCTGTAACCTCCTGAGGAAGTGAAGGACCGGAAATTTATCAATGACATAAAGTGCCTTTG
 ACCTGCGCTTGTCTTTGCTGCTCACTTTTGCACACTGACATCAGGTCACAATTGCGCTATGAGCTCCA
 GGGACTGCGCTGCTAACCCAGATCTTGGAAAGTGCCTTTAGCATCAAGTGGACCGATGAGTATGAGTCG
 GCCATAGACCATAGTGGACCTCCTCTCACCTCAGGAGACAGACTGTGCCATTGAGGCCCTCAAAGCTC
 TGTTCAATGTGACGGTAGACAGTTGGAAGGTGCATAAAGAGAGCGATTCTCATCAGTTCCGTGTCATGGC
 CGCTGTCTTCGCCACTGTTTACTAATTGTAGGTCCAACCGAAGACAAAACGGAAGAGCTGCACAGTAAT
 GCCGTCAACCTTTAAGCAATGTTCCAGTCTCTTGTGGATGTTCTCATTTGTCCATTAACCCATGAAG
 AAACAGCCAGGAGGCAGCAACTCTAGACGAAGTCCCGGTGATAAGACAGCAGAGAAAGACACGGCTTT
 GAAGAGCAGTGCCATGGTATAACAATGGCATGAACATGGAGGCCATCCACGTTTTACTCAGTTTTATGGAG
 AAGAGGATTGATAAGGGAAGCAGCTATAGAGAGGGTCTAACTCCAGTCTCAGCTTATTAACAGAATGTT
 CCCGAGCCCATCGGAACATCCGAAAATTTCTCAAAGATCAGGTGTACCACCTTTGAGGGATGTGACAAA
 TCGACCAGAAGTCGGCTCAACCGTGAGAAATAAGCTGGTGGCCTCATGACACACGTTGACCTCGGAGTC
 AAGCAGATTGCTGCTGAGTTCCTCTTCTGCTCTTTGCAAAGAGCGAGTGGATAGTCTGCTGAAGTACTG
 GCTATGGGAACGCTGCAGGACTGCTGGCTGCCAGGGCCCTTTGGCTGGAGGAAGAGGAGACAATTGGTA
 CTCAGAGGACGAGGACACGGACTGAGGAATACAAAACGAAAACAAAAGAGGAGTTGCTTAAACCA
 ATGGGACTAAAACCTGACGGGACAATAACGCCTTTGGAGGAAGCGCTCAGCCAGTATTCTGTCATCGAAG
 AGACCAGCTCGGACACAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_175598

Insert Size: 1563 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_175598.2](#), [NP_783188.1](#)

RefSeq Size: 1760 bp

RefSeq ORF: 1563 bp

Locus ID: 314681

UniProt ID: [Q80ZG0](#)

Cytogenetics: 7q13

Gene Summary: binds heterotrimeric G proteins; may act as a nonreceptor guanine nucleotide exchange factor [RGD, Feb 2006]