

Product datasheet for **RN217129**

Rasef (NM_001277334) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasef (NM_001277334) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rasef
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217129 representing NM_001277334

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**

ATGGAGGCGGACGCGACCCCGAGGAATTGCGCGGCTGCGCTCCGTCTTCACAACCTATGACACGAACT
GCTCCGGGCGCCTAGAACGTGCGGAGTTCCGCACGCTGTGCGCGGAGCTGCACGTGGCCGAAGCCGAAGC
AGAGGCAGTGTTCTGGGCTCGACACGGACCGGATGGCGCAATCACCTTCCCGGAGTTGCGCGCTGGC
TTCCGCGGAGCGCTCGGCCAGGACAGCGGAGAGGCCCAAGGCCTCTGGGACGCGGTAGAGCCTGAGAGCC
CCGGCCCCGCTGGCGGACTTCCACACGCGCCTCGGAGAGGAGGCCAGCTCATTCCCAGAAAAGAACA
AGTTAGTACCCTGTATCAGAACATTAACCTTGTTGAACCAAGACTAATCCAGCCATATGAACATGTGATA
AGGAACTTTCTCCGTGAGATCAGACTCCAGAGCACAGAAATGGAAACTTGGCCATTGCAGTGAAAAGAG
CCCAGGACAAGGCGGCCATTAGCTAAGTGAGCTGGAAGAGGAAATGGATCAGAGGATTCAGCTGTGGA
AAATGAGACCCGAAAAGATGAAAACGCAAAGCTGAGGAAGCTCTCACTGACCTCAGACGTCAGTATGAA
ACAGAAGTAGGAGATTTACAAGTGACCATTAAGGTTAAAAAGCTTGAAGAGCAGTCAAGAAAAATAA
GTCAAAAGCAAGATGTGACTTCATTAAAGAAACAAATTTATGATTTAACAACGGAATCAAAAACTCAA
AAAAGATCTTTTGGAGACACAGACAAATTTAGCCTTTCTTCAGAGTGAAGTAGTGCTTTGAAAAGTGAT
TATGCTGACCAGACTATGAATTCGAACGGGATCTGGAATAATCCGAGAGTTCAATGAAGATCGAAGTA
ATCTTGAGAGGCAAAATGAAGTCTCCAAACAGCTAACCGGAAGCTTCATGATAGTAATGACGGCCTTAG
AAGTGCCCTTGAAAACACTTACAGCAAGCTCACAAATCCTTGCGTATGAATAACATATCACCAGGGAAT
ACAATTTCTAGCAGCAGTCCCAAGTTTAATCATCTTCTCAACCACTGGGCTACGATAGGTCATCCC
ATCTTCATATGCAGATGAGGATTGTGACTGTTTGGCTCTCTGTGACCCTCTGCAGAAGATGAATTATGA
AGTTGACAGCCTCCCGAAAGCTGTTTGGACAGTGGCCTGTCTACTCTGAGAGATTCTAATGAGTGTGAT
TCTGAGGTGGACTACAAGCCCCAGGAAGGATTTAGAGTTTGCACAGAACAGAGGAGAGCCTTGAGGGAG
ATACGTGACACAGATGTTCTGATATGAGGGATGAAGAAACATTGATTGTGAAAGCGTGGCCTCTGT
CTTACACGGGCATCCCCAGGGTCTGCTGGTGAGGGCAGCACTGTAGTTCCTCCAGAAAGACCATCTCA
GCTCTTTACCTGAAACAGACATGGTGAATAACACCTTGAAGTCCACATCTCAGAAGGCTTACAAGATTG
TGCTGGCCGGTGATGCTGCAGTGGGAAAGTCCAGCTTCTCATGCGACTCTGCAAGAATGAGTTTCAGGG
AAACACAAGTGCAACCTAGGAGTTGATTTCAAATGAAAACCTGATGGTAGATGGTGAACCAACAGTC
CTTCAGCTCTGGGATACAGCTGGACAAGAAAGATTTAGAAGTATCGCCAAGTCTTACTTCCGAAAAGCAG
ATGGTGTCTTACTGCTGTACGATGTTACTTGTGAGAAAAGCTTTCTTAATGTACGAGAATGGGTAGCTAT
GGTTGAGGATGGAACCCACAGATCCGTTCTATCATGTTAGTAGGAAACAAGGCTGATCTTCGTGATGCT
GCTACTGCAGAGAATCAAAAGTGATATCTCATCACATCTTGAGAAAAACTGGCCATGACCTATGGGGCAT
TATTCTGTGAAACAAGCGCGAAAGATGGCTCCAATGTGGTGGAAGCTGTTCTCCATCTTGCTCGGGAAGT
AAAGAAAAGGGCAGAGAATGATGACAGCAATCCATCACCAGTCTGGCCACTTCTACTTCCAGAAAGTCA
CTGCAGATGAAGAACTGTTGCAATGGC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001277334

Insert Size:

2130 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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>NM_001277334.1, NP_001264263.1</u>
RefSeq Size:	2405 bp
RefSeq ORF:	2130 bp
Locus ID:	298138
Cytogenetics:	5q31