

Product datasheet for **SC108139**

RASEF (NM_152573) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASEF (NM_152573) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASEF
Synonyms:	RAB45
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_152573 edited
ATGGAGGCGGATGGGACGGAGAGAGCTGGCCCGGCTGCGCTCAGTCTTCGCCGCTGC
GACGCAACCGCTCGGGGCGCCTGGAGCGGAGGAGTTCGGGCACTGTGCACGGAGCTG
CGGGTGCGGCCGGCCGACGCCGAGGAGTATCCAGCGGCTGGACGCCGACCGTGACGGC
GCCATCACCTTCAGGAGTTCGCGCGTGGCTTCTCGGGTCCCTCCGCGGGGGCGGCGC
CGGACTGGGGTCTCTGGATCCCGCGCCCGCGGTGTCTGAGGCGGGCCGGAGACACAC
GACAGCGAGGAGGACGAAGGCGACGAGGACGCGCGCGCGCTGGCCACCTCGTGCGGC
CCGGCGAGTCCCGCGCGGCTTGGCAGGATTTCCAGGCGGACTTGGGGACGAAGCCAAG
TTCATTCCAGAGAAGAGCAAGTTAGTACCTTGTACCAAAACATCAACCTTGTGGAGCCA
AGATTAATTCAGCCATATGAACATGTTATAAAGAACTTCATCCGTGAGATCAGACTTCAA
AGCACAGAAATGGAATTTGGCCATTGCGGTGAAGAGAGCCAGGACAAGGCAGCTATG
CAGTTGAGTGAGTTGAAGAGGAAATGGATCAGAGGATTAGGCTGCAGAACATAAGACA
CGGAAAGACGAAAACGCAAAGCTGAGGAAGCCCTCAGTGACCTCAGACGTCAGTATGAA
ACTGAAGTAGGAGATCTGAGGTGACCATTAAGAAAGCTAAGAAAGCTCGAAGAACAATCA
AAATGCGTAAGTCAAAAGGAAGATGTGGCTGCATTGAAAAACAAATTTATGATTTATCA
ATGGAAAACAGAAAGTTAAGAAAGACCTTTAGAAAGCACAGACAAACATAGCCTTTCTT
CAGAGTGAGTTAGATGCTTTGAAAAGTGATTATGCTGATCAGAGTCTGAATACTGAAAGG
GATCTGGAATAATCCGAGCATACACAGAAGATCGAAATAGTCTTGAGAGGCAAATTGAA
ATACTCCAACAGCTAACCGGAAGCTACATGACAGTAATGATGGCCTTAGAAGTGCCCTT
GAAAACAGTTATAGCAAGTTCAACAGATCTTGCATATAAATAATATCTCACCAGGGAAT
ACAATTTCTAGAAGCAGTCCCAATTCATTGGTCATTCCCCTCAACCTCTAGGCTATGAC
AGGTCATCCCGCTCTTCTATGTGGATGAGGACTGTGACTCCCTGGCCCTCTGTGATCCT
CTGCAGAGGACAAATTGTGAAGTTGACAGCCTGCCTGAAAGCTGCTTCGACAGCGGCTTG
TCTACCTTGAGAGATCCCAATGAGTATGACTCAGAAGTGGAATACAAGCACCAGAGGGGA
TTTCAGAGGTCACACGGGGTGCAGGAGAGCTTTGGAGGTGATGCTTCAGACACAGATGTT
CCTGACATAAGGGATGAAGAGACATTTGGTTTAGAAGATGTGGCTTCCGTCTTAGACTGG
AAGCCCCAAGGTCTGTTAGTGAAGGCAGCATTGTTAGTTCATCAAGAAAGCCATCTCA
GCACTCTCGCCCCAGACAGACCTGGTAGATGACAACGCTAAATCTTTAGCTCACAGAAG
GCTTACAAGATTGTAATGCTGGGGACGCTGCAGTGGGGAAGTCTAGTTTCCTCATGAGA
CTTTGCAAGAATGAATTCGAGAAAATATAAGCGCCACCCTGGGAGTTGATTTCCAAATG
AAAACCCTCATTGTGGATGGAGAACGAACAGTTCTGCAGCTCTGGGATACAGCTGGTCAG
GAGAGATTCAGAAAGTATTGCCAAGTCTTACTTCAGAAAGGCAGATGGTGTTTTGCTGCTG
TATGATGTTACATGTGAGAAAAGCTTTCTTAACATACGAGAATGGGTAGATATGATTGAG
GATGCAGCCCATGAGACTGTTCCCATATGCTGGTAGGAAACAAGGCTGACATTCGTGAC
ACTGCTGTACAGAGGGACAAAATGTGTCCAGGGCACTTTGGAGAGAACTGGCCATG
ACGTATGGGGCATTATTCTGTGAAACAAGTGCCAAAGATGGTTCTAACATAGTGGAGGCT
GTTCTGCACCTTGCTCGAGAAGTGAAAAAGAGAACTGACAAGGATGACAGCAGATCCATT
ACCAATCTAACCGGGACCAATTCCAAAAAGTCACCACAGATGAAGAATTGTTGCAATGGC
TAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_152573 unedited <pre>GGTCAGATTTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACGAGGCCAGGCGG GATGGAGGCGGATGGGGACGGAGAGGAGCTGGCCCGGCTGCGCTCAGTCTTCGCCGCCTG CGACGCGAACCCTCGGGGCGCCTGGAGCGCGAGGAGTTCGGGGCACTGTGCACGGAGCT GCGGGTGCGGCGGCCGACGCCGAGGAGTATCCAGCGGCTGGACGCCGACCGTGACGG CGCCATCACCTTCAGGAGTTTCGCGCTGGCTTCTCGGGTCCCTCCGCGGGGGCGGCG CCGGGACTGGGGTCTCTGGATCCCGCGCCCGCGTGTCTGAGGCGGGGCGGAGACACA CGACAGCGAGGAGGACGAAGGCGACGAGGACGCGGCGGCGGCTGGCCACCTCGTGCGG CCCGGCGAGTCCCGGCCGGGCTTGGCAGGATTTCCAGGCGCGACTTNGGACGAAGCCAA GTTCAATCCCAGAGAAGCAAGTTAGTACCTGTACCAACATCAACCTTGTGGAGCCA AGATTAATTCAGCCATATGAACATGTTATAAAGAACTTCATCCGTGAGATCAGACTTCAA AGCACAGAAATGGGAAAATTTGGCCTTNGCNNGTGAAGAGAGCCCNANGACAAGGCAGC TATGCAGTTGAGTGAGTTTGAAGAGAAATGGATCANNAGATTGAGGCTGCANAACATTA GACACGAAAAGACAAAACGCAAAGCTTGAGAAGCCCTCAGTGACCTTAGACGTGAGTAT GAAACTGAAGTAGGAGATCTGCAGGTGACCATTAAGAGCTAGAAAGCTCGAAGAATCATC AAATGCGGTAGTCAAAGGAGATGTGGCTGCTTTGAAAAACAAATTATGATTATCATGGA AACCAGAAAGTTAAGAAGACCTTTAAAGCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_152573
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_152573.2</u> , <u>NP_689786.2</u>
RefSeq Size:	2770 bp
RefSeq ORF:	2223 bp
Locus ID:	158158
UniProt ID:	<u>Q8IZ41</u>
Cytogenetics:	9q21.32

Domains: EFh

Protein Families: Druggable Genome

Gene Summary: This gene is a member of the Rab family of GTPases that are involved in regulation of membrane traffic. The encoded protein contains an N-terminal EF-hand domain, a coiled-coil motif and a C-terminal Rab domain. A potential role as tumor suppressor has been indicated for this gene. [provided by RefSeq, Nov 2012]