

Product datasheet for **SC314587**

RASEF (BC023566) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASEF (BC023566) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASEF
Synonyms:	FLJ31614; OTTHUMP00000021538; OTTHUMP00000021539; RAB45; RAB45, member RAS oncogene family; RAS and EF-hand domain containing; RAS and EF hand domain containing
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for BC023566, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGCGGATGGGACGGAGAGGAGCTGGCCCGGCTGCGCTCAGTCTTCGCCGCTGC
GACGCGAACCGCTCGGGGCGCCTGGAGCGGAGGAGTCCGGGCACTGTGCACGGAGCTG
CGGGTGCGGCCGGCCGACGCCGAGGAGTATCCAGCGGCTGGACGCCGACCGTGACGGC
GCCATCACCTTCAGGAGTTCGCGCGTGGCTTCTCGGGTCCCTCCGCGGGGGCGGCGC
CGGACTGGGGTCTCTGGATCCCGCGCCCGCGTGTCTGAGGCGGGGCCGAGACACAC
GACAGCGAGGAGGACGAAGGCGACGAGGACGCGCGGCGGCGCTGGCCACCTCGTGCGGC
CCGGCGAGTCCCGCGGCGCTTGGCAGGATTTCCAGGCGCGACTTGGGGACGAAGCCAAG
TTCATTCCAGAGAAGAGCAAGTTAGTACCTTGTACAAAACATCAACCTTGTGGAGCCA
AGATTAATTCAGCCATATGAACATGTTATAAAGAACTTCATCCGTGAGATCAGACTTCAA
AGCACAGAAATGGAAAATTTGGCCATTGCGGTGAAGAGAGCCAGGACAAGGCAGCTATG
CAGTTGAGTGAGTTGGAAGAGGAAATGGATCAGAGGATTAGGCTGCAGAACATAAGACA
CGGAAAGACGAAAACGCAAAGCTGAGGAAGCCCTCAGTGACCTCAGACGTCAGTATGAA
ACTGAAGTAGGAGATCTGCAGGTGACCATTAAGAAAGCTAAGAAAGCTCGAAGAACAATCA
AAACGCGTAAGTCAAAGGAAGATGTGGCTGCATTGAAAAACAAATTTATGATTATCA
ATGGAAAACAGAAAGTTAAGAAAGACCTTTAGAAAGCACAGACAAACATAGCCTTTCTT
CAGAGTGAGTTAGATGCTTTGAAAAGTGATTATGCTGATCAGAGTCTGAATACTGAAAGG
GATCTGGAATAATCCGAGCATACACAGAAGATCGAAATAGTCTTGAGAGGCAAAATTGAA
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GAAAACAGTTATAGCAAGTTCAACAGATCTTTGCATATAAATAATATCTACAGGGAAT
ACAATTTCTAGAAGCAGTCCCAAATTCATTGGTCATTCCCCTCAACCTCTAGGCTATGAC
AGGTCATCCCGCTCTTCTATGTGGATGAGGACTGTGACTCCCTGGCCCTCTGTGATCCT
CTGCAGAGGACAAATTTGAAAGTTGACAGCCTGCCTGAAAGCTGCTTCGACAGCGGCTTG
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TTTCAGAGGTACACGCGGTGCAGGAGAGCTTTGGAGGTGATGCTTCAGACACAGATGTT
CCTGACATAAGGGATGAAGAGACATTTGGTTTAGAAGATGTGGCTTCCGTCTTAGACTGG
AAGCCCCAAGGGTCTGTTAGTGAAGGCAGCATTGTTAGTTCATCAAGAAAGCCCATCTCA
GCACTCTCGCCCAGACAGACCTGGTAGATGACAACGCTAAATCTTTAGCTCACAGAAG
GCTTACAAGATTGACTTGTCTGGGACGCTGCAGTGGGGAAGTCTAGTTTCCTCATGAGA
CTTTGCAAGAATGAATTCGAGAAAATATAAGCGCCACCCTGGGAGTTGATTTCCAAATG
AAAACCTCATTGTGGATGGAGAACGAACAGTTCTGCAGCTCTGGGATACAGCTGGTCAG
GAGAGATTCAGAAGTATTGCCAAGTCTTACTTCAGAAAGGCAGATGGTGTGTTGTGCTG
TATGATGTTACATGTGAGAAAAGCTTTCTTAACATACGAGAATGGGTAGATATGATTGAG
GATGCAGCCCATGAGACTGTTCCCATATGCTGGTAGGAAACAAGGCTGACATTCGTGAC
ACTGCTGTACAGAGGGACAAAATGTGTCCCAGGGCACTTTGGAGAGAACTGGCCATG
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GTTCTGCACCTTGCTCGAGAAGTAAAAAGAGAACTGACAAGGATGACAGCAGATCCATT
ACCAATCTAACCGGGACCAATTCCAAAAAGTACCACAGATGAAGAATTGTTGAATGGC

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Restriction Sites: Please inquire

ACCN: BC023566

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>BC023566.1</u> , <u>AAH23566.1</u>
RefSeq Size:	2770 bp
RefSeq ORF:	2223 bp
Locus ID:	158158
Cytogenetics:	9q21.32
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]