**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for SC211703

## RASGRP 4 (RASGRP4) (NM_001146204) Human 3' UTR Clone

### Product data:

**Product Type:** 3' UTR Clones

**Product Name:** RASGRP 4 (RASGRP4) (NM_001146204) Human 3' UTR Clone

**Vector:** pMirTarget (PS100062)

**Symbol:** RASGRP4

**ACCN:** NM_001146204

**Insert Size:** 1012 bp

**Insert Sequence:**

>SC211703 3'UTR clone of NM_001146204
The sequence shown below is from the reference sequence of NM_001146204. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCAACTGCATCCTCCAAGCTGGATTCCTAGACATCTCTTGGTCTCCTCTCTTCCTCACTCCCTTCCCCC
AGTCAGTCCTGAGTCCTGCCGTCAGACTCTGGCAGGGCTCCCAGAGGTAGGCCTCCAGAGGCATCCGCC
TTCCCATCCACACTGCCTTTAGTGGTACGTCCGTCATCTTTTTCCCTGGAAGTGACTTTCCTCTTTTGC
ATCCTGGTGGATGCTAATCCTGCTCCCTTTCCCTGCACTTAGTATCTGTGCGGCTGTGTGTTGGATACA
TTTAGACTCAGGCCTCATTCTACCAACTCCCTACATCTCCATTTCTTTTTTTTTTTGAGACAGAGTCTT
GCTCTGTCACCCAGGCTGGAGTGCAATGATGCAATCTCAGCTCACTGCAACTTCCGCCTCCTGGGTTCA
AGTGATTCTTCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCACGCGCCACCATGCCCGGCTAATT
TTTGTATTTTTAGTAGAGACGGGGTTTCCCCATGTTGGCCAAGATGGTCTCAAACTCCTGACCTCATGA
TCCACCAGCCTCAGCCTCCCAAAGTGCTGGGAATACAGGCGTGAGCCACCACGCCCAGCTCCTGTTTTT
CTGCATAGAATGTGCTCCCTCTGACAGCCTATACTTTTTCCCTCTTTATCTCGTTGAACGTCTGTCTTT
CCTCAACAGGAGCATCAACTCCAGGAGAACAGGGATTTCTATCAATGTCATTCACTGCTGCATCCCCAG
TGCCTAGAACAGGGCTGGCAGGTGGTAGGCGCCTGACAGATGCTTGTCTGATGCCTGAATGTCTCCTTA
CCCATGCCCACGGCACAGGATAGATGTGCTATAGGGCAAAGAACTTTGAGGGTCGAGCAGCAGGGGCCC
ATTCAGTCCCAGGGAGCAGAGACCCCCCCAACCCCTTCACAAACCCCAACACCCCTGACTTGGCCCCCA
CAGAGAGAGGTCCTACAGCTGTCATAAATTAAATTTATTCTCTGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

View online »

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** NM_001146204.2

**Summary:** The protein encoded by this gene is a member of the Ras guanyl nucleotide-releasing protein (RasGRP) family of Ras guanine nucleotide exchange factors. It contains a Ras exchange motif, a diacylglycerol-binding domain, and two calcium-binding EF hands. This protein was shown to activate H-Ras in a cation-dependent manner in vitro. Expression of this protein in myeloid cell lines was found to be correlated with elevated level of activated RAS protein, and the RAS activation can be greatly enhanced by phorbol ester treatment, which suggested a role of this protein in diacylglycerol regulated cell signaling pathways. Studies of a mast cell leukemia cell line expressing substantial amounts of abnormal transcripts of this gene indicated that this gene may play an important role in the final stages of mast cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2009]

**Locus ID:** 115727

**MW:** 37.3