

Product datasheet for **SC211702**

RASGRP 4 (RASGRP4) (NM_170604) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RASGRP 4 (RASGRP4) (NM_170604) Human 3' UTR Clone
Symbol:	RASGRP 4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_170604
Insert Size:	1012 bp
Insert Sequence:	<p>>SC211702 3'UTR clone of NM_170604</p> <p>The sequence shown below is from the reference sequence of NM_170604. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
TCAACTGCATCCTCCAAGCTGGATTCCAGACATCTCTTGGTCTCCTCTCTTCTCACTCCCTTCCCCC
AGTCAGTCCTGAGTCCTGCCGTCAGACTCTGGCAGGGCTCCCAGAGGTAGGCCTCCAGAGGCATCCGCC
TTCCCATCCACACTGCCTTTAGTGGTACGTCCGTCATCTTTTCCCTGGAAGTGACTTTCCTCTTTTGC
ATCCTGGTGGATGCTAATCCTGCTCCCTTCCCTGCACTTAGTATCTGTGCGGCTGTGTGGATACA
TTTAGACTCAGGCCTCATTCTACCAACTCCCTACATCTCCATTTCTTTTTTTTTTTTGGAGACAGAGTCTT
GCTCTGTCACCCAGGCTGGAGTGCAATGATGCAATCTCAGCTCACTGCAACTCCGCCTCCTGGGTTC
AGTGATTCTTCTGCCTCAGCCTCCCAAGTAGCTGGGATTACAGGCACGCGCCACCATGCCGGCTAATT
TTTGATTTTTAGTAGAGACGGGGTTTCCCATGTTGGCCAAGATGGTCTCAAACCTCCTGACCTCATGA
TCCACCAGCCTCAGCCTCCCAAAGTGCTGGGAATACAGGCGTGAGCCACCACGCCAGCTCCTGTTTTT
CTGCATAGAATGTGCTCCCTCTGACAGCCTATACTTTTTCCCTCTTATCTCGTTGAACGCTGTCTTT
CCTCAACAGGAGCATCAACTCCAGGAGAACAGGGATTTCTATCAATGTCATTCAGTCTGCATCCCCAG
TGCCTAGAACAGGGCTGGCAGGTGGTAGGCGCTGACAGATGCTTGTCTGATGCCTGAATGTCTCCTTA
CCCATGCCACGCGACAGGATAGATGTGCTATAGGGCAAAGAAGTTTGAAGGTCGAGCAGCAGGGGGCC
ATTGAGTCCCAGGGAGCAGAGACCCCCCAACCCCTTCACAAACCCCAACACCCCTGACTTGGCCCCCA
CAGAGAGAGGTCCTACAGCTGTCAAAATTAATTTATTCTCTGGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG

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Restriction Sites: SgfI-MluI



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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).
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:	<u>NM_170604.3</u>
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