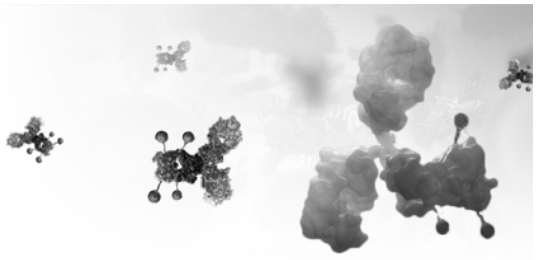

Human RASGRP1 peptide (DAG-P1881)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of a family of genes characterized by the presence of a Ras superfamily guanine nucleotide exchange factor (GEF) domain. It functions as a diacylglycerol (DAG)-regulated nucleotide exchange factor specifically activating Ras through the exchange of bound GDP for GTP. It activates the Erk/MAP kinase cascade and regulates T-cells and B-cells development, homeostasis and differentiation. Alternatively spliced transcript variants encoding different isoforms have been identified. Altered expression of the different isoforms of this protein may be a cause of susceptibility to systemic lupus erythematosus (SLE). [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RASGRP1 RAS guanyl releasing protein 1 (calcium and DAG-regulated) [Homo sapiens (human)]
Official Symbol	RASGRP1
Synonyms	RASGRP1; RAS guanyl releasing protein 1 (calcium and DAG-regulated); V; RASGRP; hRasGRP1; CALDAG-GEFI; CALDAG-GEFII; RAS guanyl-releasing protein 1; ras activator RasGRP; RAS guanyl nucleotide-releasing protein 1; calcium and DAG-regulated guanine nucleotide exchange factor II; guanine nucleotide exchange factor, calcium- and DAG-regulated, Rap1A;

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Entrez Gene ID	10125
mRNA Refseq	NM_001128602.1
Protein Refseq	NP_001122074.1
UniProt ID	B2RA89
Chromosome Location	15q14
Pathway	Activation of RAS in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; FCERI mediated NF-kB activation, organism-specific biosystem; Fc epsilon receptor (FCERI) signaling, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Ga
Function	calcium ion binding; guanyl-nucleotide exchange factor activity; lipid binding;

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