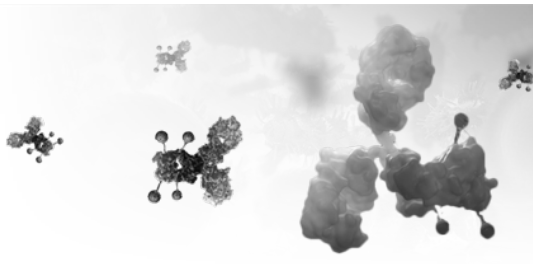

Human DOCK2 peptide (DAG-P1532)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the CDM protein family. It is specifically expressed in hematopoietic cells, predominantly in the peripheral blood leukocytes, and is involved in remodeling of the actin cytoskeleton required for lymphocyte migration, through the activation of RAC. Mice lacking this gene show a severe impairment in the migration and homing of lymphocytes. These mutant mice also exhibited long-term survival of allografts, suggesting that this gene may be a target for controlling transplant rejection. [provided by RefSeq, Oct 2011]
Purity	70 - 90% by HPLC.
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	DOCK2 dedicator of cytokinesis 2 [Homo sapiens (human)]
Official Symbol	DOCK2
Synonyms	DOCK2; dedicator of cytokinesis 2; dedicator of cytokinesis protein 2; dedicator of cyto-kinesis 2;
Entrez Gene ID	1794
mRNA Refseq	NM_004946.2

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Protein Refseq	NP_004937.1
UniProt ID	Q5XG91
Chromosome Location	5q35.1
Pathway	Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Disease, organism-specific biosystem; Factors involved in megakaryocyte development and platelet production, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; HIV Infection, organism-specific biosystem; Hemostasis, organism-specific biosystem; Host Interactions of HIV factors, organism-specific
Function	Rac GTPase activator activity; Rac guanyl-nucleotide exchange factor activity; T cell receptor binding; protein binding;

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