



RRAD peptide (DAG-P1112)

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

PRODUCT INFORMATION

Antigen Description	May play an important role in cardiac antiarrhythmia via the strong suppression of voltage-gated L-type Ca(2+) currents. Regulates voltage-dependent L-type calcium channel subunit alpha-1C trafficking to the cell membrane (By similarity). Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway. Inhibits phosphorylation and activation of CAMK2D.
Specificity	Most abundantly expressed in the heart. Also found in the skeletal muscle and lung. Lesser amounts in placenta and kidney. Also detected in adipose tissue. Overexpressed in muscle of type II diabetic humans.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the small GTPase superfamily. RGK family.
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	RRAD Ras-related associated with diabetes [Homo sapiens (human)]
Official Symbol	RRAD
Synonyms	RRAD; Ras-related associated with diabetes; RAD; RAD1; REM3; GTP-binding protein RAD; ras associated with diabetes; RAS (RAD and GEM) like GTP binding 3;

Entrez Gene ID	6236
mRNA Refseq	NM_001128850.1
Protein Refseq	NP_001122322.1
UniProt ID	P55042
Chromosome Location	16q22
Pathway	Insulin Signaling, organism-specific biosystem;
Function	GTP binding; GTPase activity; calmodulin binding; protein binding;