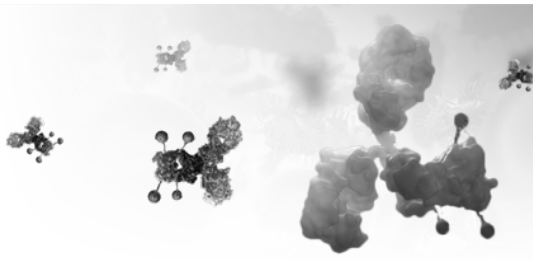

Human RGS1 blocking peptide (CDBP2517)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-RGS1/1R20 antibody
Antigen Description	This gene encodes a member of the regulator of G-protein signalling family. This protein is located on the cytosolic side of the plasma membrane and contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signalling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	RGS1 regulator of G-protein signaling 1 [Homo sapiens]
Official Symbol	RGS1
Synonyms	RGS1; regulator of G-protein signaling 1; IER1, regulator of G protein signalling 1; 1R20; BL34;

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	IR20; early response protein 1R20; B-cell activation protein BL34; regulator of G-protein signalling 1; immediate-early response 1, B-cell specific; IER1;
Entrez Gene ID	5996
mRNA Refseq	NM_002922
Protein Refseq	NP_002913
UniProt ID	Q08116
Chromosome Location	1q31
Pathway	CXCR4-mediated signaling events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	GTPase activator activity; calmodulin binding;

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