



Rat GUCY1A3 peptide (DAG-P0432)

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

PRODUCT INFORMATION

Antigen Description	soluble guanylate cyclase subunit that forms a heterodimer with Gucy1b3; may also function as an intracellular nitric oxide receptor
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 1 guanylate cyclase domain.
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	Gucy1a3 guanylate cyclase 1, soluble, alpha 3 [Rattus norvegicus (Norway rat)]
Official Symbol	GUCY1A3
Synonyms	GUCY1A3; guanylate cyclase 1, soluble, alpha 3; SGC; Gucy1a1; guanylate cyclase soluble subunit alpha-3; GCS-alpha-1; GCS-alpha-3; soluble guanylate cyclase large subunit; Guanylate cyclase soluble alpha 1 (GTP pyrophosphate - lyase); Guanylate cyclase, soluble, alpha 1 (GTP pyrophosphate - lyase);
Entrez Gene ID	497757
mRNA Refseq	NM_017090.2

Protein Refseq	NP_058786.2
UniProt ID	Q5U330
Chromosome Location	2q33
Pathway	Circadian entrainment, organism-specific biosystem; Circadian entrainment, conserved biosystem; Gap junction, organism-specific biosystem; Gap junction, conserved biosystem; Hemostasis, organism-specific biosystem; Long-term depression, organism-specific biosystem; Long-term depression, conserved biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Platelet homeostasis, organism-specific bi
Function	GTP binding; guanylate cyclase activity; guanylate cyclase activity; guanylate cyclase activity; heme binding; ion binding; nucleotide binding; protein heterodimerization activity;