



Human GNAQ peptide (DAG-P1577)

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

PRODUCT INFORMATION

Antigen Description	This locus encodes a guanine nucleotide-binding protein. The encoded protein, an alpha subunit in the Gq class, couples a seven-transmembrane domain receptor to activation of phospholipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation. A related pseudogene exists on chromosome 2.[provided by RefSeq, Nov 2010]
Specificity	Predominantly expressed in ovary, prostate, testis and colon.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the G-alpha family. G(q) subfamily.
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	GNAQ guanine nucleotide binding protein (G protein), q polypeptide [Homo sapiens (human)]
Official Symbol	GNAQ
Synonyms	GNAQ; guanine nucleotide binding protein (G protein), q polypeptide; GAQ; SWS; CMC1; G-ALPHA-q; guanine nucleotide-binding protein G(q) subunit alpha; guanine nucleotide-binding protein alpha-q;

Entrez Gene ID	2776
mRNA Refseq	NM_002072.4
Protein Refseq	NP_002063.2
UniProt ID	P50148
Chromosome Location	9q21
Pathway	ADP signalling through P2Y purinoceptor 1, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, conserved biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Alzheimers Disease, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conser
Function	G-protein beta/gamma-subunit complex binding; G-protein coupled receptor binding; GTP binding; GTPase activator activity; GTPase activity; metal ion binding; protein binding; signal transducer activity;