



Human IRS1 (phospho S307) peptide (DAG-P0677)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein which is phosphorylated by insulin receptor tyrosine kinase. Mutations in this gene are associated with type II diabetes and susceptibility to insulin resistance. [provided by RefSeq, Nov 2009]
Conjugate	Unconjugated
Applications	Neut, CBA
Sequence Similarities	Contains 1 IRS-type PTB domain.Contains 1 PH domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	IRS1 insulin receptor substrate 1 [Homo sapiens (human)]
Official Symbol	IRS1
Synonyms	IRS1; insulin receptor substrate 1; HIRS-1; IRS-1;
Entrez Gene ID	3667
mRNA Refseq	NM_005544.2
Protein Refseq	NP_005535.1

UniProt ID	P35568
Chromosome Location	2q36
Pathway	AGE/RAGE pathway, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; BDNF signaling pathway, organism-sp
Function	SH2 domain binding; insulin receptor binding; insulin-like growth factor receptor binding; phosphatidylinositol 3-kinase binding; phosphatidylinositol 3-kinase binding; protein binding; protein kinase C binding; signal transducer activity; transmembrane r