

Recombinant Human IRS1

Cat. No. IRS1-28726TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 600-1245 of Human IRS1 was expressed by baculovirus in Sf9 insect cells using an N-terminal tag, 118kDa.
Species	Human
ProteinLength	600-1245 a.a.
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.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Contains 1 IRS-type PTB domain.Contains 1 PH domain.

GENE INFORMATION

Gene Name	IRS1 insulin receptor substrate 1 [Homo sapiens]
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Official Symbol	IRS1
Synonyms	IRS1; insulin receptor substrate 1; HIRS 1;
Gene ID	3667
mRNA Refseq	NM_005544
Protein Refseq	NP_005535
Uniprot ID	P35568
Chromosome Location	2q36
Pathway	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;
Function	SH2 domain binding; insulin receptor binding; insulin-like growth factor receptor binding; insulin-like growth factor-activated receptor activity; phosphatidylinositol 3-kinase binding;

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