


# Recombinant Human IRS1

**Cat. No.** IRS1-28643TH    **Lot. No.** (See product label)


## SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to N terminal amino acids 1-355 of Human IRS1 with an N-terminal tag, 65kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-355 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 25% Glycerol, 50mM Sodium chloride, 50mM Tris HCl, 0.25mM DTT, 0.1mM PMSF, pH 7.5
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequence Similarities</b>	Contains 1 IRS-type PTB domain. Contains 1 PH domain.

## GENE INFORMATION

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<b>Gene Name</b>	IRS1 insulin receptor substrate 1 [ Homo sapiens ]
<b>Official Symbol</b>	IRS1
<b>Synonyms</b>	IRS1; insulin receptor substrate 1; HIRS 1;
<b>Gene ID</b>	3667
<b>mRNA Refseq</b>	NM_005544
<b>Protein Refseq</b>	NP_005535
<b>Uniprot ID</b>	P35568
<b>Chromosome Location</b>	2q36
<b>Pathway</b>	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;
<b>Function</b>	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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