

Recombinant Human Insulin Receptor-related Receptor, GST-tagged, Active

Cat. No. INSRR-334H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IRR (945-end) was expressed by baculovirus in <i>Sf9</i> insect cell/s using an N-terminal GST tag. MW = 65 kDa.
Species	Human
Source	Sf9 Cells
ProteinLength	945-end a.a.
Description	IRR or insulin receptor-related receptor is a tyrosine protein kinase that is required for the appearance of male gonads and thus for male sexual differentiation. The expression of IRR mRNA is restricted to a few tissue types and has been detected in neuronal tissues as well as in neuroblastomas. As a result of its occurrence in neuroblastomas, it has speculated that IRR may be involved in tumor genesis. RT-PCR and solution hybridization/RNase protection assay have shown strong coupling of IRR mRNA in 18 tumor cell lines.
Sequence	945-end.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable

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performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	INSRR insulin receptor-related receptor [Homo sapiens]
Synonyms	INSRR; insulin receptor-related receptor; IRR; IR-related receptor; EC 2.7.10.1; Insulin receptor-related protein alpha chain; Insulin receptor-related protein beta chain; OTTHUMP00000038715
Gene ID	3645
mRNA Refseq	NM_014215
Protein Refseq	NP_055030
MIM	147671
UniProt ID	P14616
Chromosome Location	1q21-q23
Pathway	Prostate cancer; Regulation of actin cytoskeleton
Function	ATP binding; manganese ion binding; metal ion binding; nucleotide binding; protein binding; receptor activity; transferase activity; transmembrane receptor protein tyrosine kinase activity

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