

IRR recombinant protein

IRR, Active

CATALOG # AAA73614	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

IRR; Active; INSRR; IRR recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for IRR recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for IRR recombinant protein	Recombinant human IRR (945-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_014215. 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 (1). 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 (2).
Product Categories/Family for IRR recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Cancer ; Cellular Stress ; ERK/MAPK Pathway ; Receptor Tyrosine Kinases
References	1. Zhang, B. and Roth, R.A. The insulin receptor-related receptor. Tissue expression, ligand binding specificity, and signaling capabilities. J. Biol. Chem. 1992; 267 (26): 18320-8. 2. Elmlinger, M.W. et al: Correlation of type I insulin-like growth factor receptor (IGF-I-R) and insulin receptor-related receptor (IRR) messenger RNA levels in tumor cell lines from pediatric tumors of neuronal origin. Regul. Pept., 1999; 84 (1-3): 37-42.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_014215
Molecular Weight	~65kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/irr-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73614>