

IGF1R recombinant protein

IGF1R, Active

CATALOG # AAA73611	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

IGF1R; Active; CD221; IGFIR; JTK13; MGC142170; MGC142172; IGF1R recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for IGF1R recombinant protein	WB (Western Blot), Kinase Assay
Tag	HIS
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 IGF1R recombinant protein	Recombinant human IGF1R (960-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NM_000875. IGF1R (Insulin-like Growth Factor 1) is a transmembrane tyrosine kinase receptor that is activated by IGF-1 and by the related growth factor IGF-2 (1). IGF1R mediates the effects of IGF-1 and plays an important role in growth and anabolic effects in adults. The IGF1R is implicated in several cancers, most notably breast cancer where it is highly overexpressed and functions as an anti-apoptotic agent by enhancing cell survival. In many instances, the anti-apoptotic properties of IGF1R overexpression allows cancerous cells to resist the cytotoxic properties of chemotherapeutic drugs or radiotherapy (2).
Product Categories/Family for IGF1R recombinant protein	Protein Kinases; AKT/PKB Pathway; Angiogenesis; Apoptosis/Autophagy; Cancer; Cellular Stress; ERK/MAPK Pathway; Metabolic Disorder; Receptor Tyrosine Kinases
References	1. Yaghmaie F, et al.. "Tracking changes in hypothalamic IGF-1 sensitivity with aging and caloric restriction".. Experimental Gerontology, 2007; 42 (1-2): 148-149 2. Jones, H. et al (2004). "Insulin-like growth factor-I receptor signalling and acquired resistance to gefitinib (ZD1839; Iressa) in human breast and prostate cancer cells". Endocr. Relat. Cancer, 2004 11 (4): 793-814.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_000875
Molecular Weight	~53kDa

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.

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Online datasheet: <https://stage.aaabiotech.com/igf1r-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73611>