

Recombinant Human InsR (N-GST tag)

Cat No:HR2R1637

For research use only

Overview

Quantity	10 ?g
Gene Symbol	InsR
Gene ID	N/A
Accession	NM_000208
Alternative Name	HHF5, CD220
Species	Human
Source	Insect cells
Description	InsR is the insulin receptor tyrosine kinase that is involved in insulin signaling. InsR is post-translationally cleaved into two chains, a and? that are covalently linked. Binding of insulin to the InsR stimulates glucose uptake. Insulin receptor signaling helps to maintain fuel homeostasis and prevent diabetes. Studies have shown that a conditional knockout of insulin receptor substrate 2 (IRS2) in mouse pancreas? cells and parts of the brainincluding the hypothalamusincreased appetite, lean and fat body mass, linear growth, and insulin resistance that progressed to diabetes. InsR signaling also increases the regeneration of adult? cells and the central control of nutrient homeostasis.
Functions	The specific activity of InsR was determined to be 2683 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	70
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?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.