

Recombinant Human INSR Protein, His & GST-tagged

INSR-294H Human(INSR)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Recombinant human INSR isoform long (NP_000199.2) cytoplasmic domain (Gly 989-Ser 1382) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Source	Baculovirus-Insect Cells
Species	Human
Tag	His & GST
Predicted N Terminal	Met
Form	Supplied as sterile 50mM Tris, 100mM NaCl, pH 7.4, 20% gly, 0.3mM DTT.
Bio-activity	The specific activity was determined to be 45 nmol/min/mg using Poly(Ala,Glu,Lys,Tyr)6:2:5:1 as substrate.
Molecular Mass	The recombinant human INSR (989-1382)/GST chimera consists of 631 amino acids and has a calculated molecular mass of 72.3 KDa. It migrates as an approximately 70 KDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 92 % as determined by SDS-PAGE.

PACKAGING

Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	INSR insulin receptor [Homo sapiens]
Official Symbol	INSR
Synonyms	INSR; insulin receptor; CD220; IR; HHF5;
GeneID	3643
mRNA Refseq	NM_000208
Protein Refseq	NP_000199
MIM	147670
UniProt ID	P06213
Chromosome Location	19p13.3-p13.2

Pathway

Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; IRS activation, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem;