Human Insulin Receptor/CD220 (His & GST Tag) recombinant protein

Catalog Number: 503007

General Information

Gene Name Synonym

Insulin receptor subunit alpha; Insulin receptor subunit beta

Protein Construction

A DNA sequence encoding the 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.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

The specific activity was determined to be 45 nmol/min/mg using Poly(Ala,Glu,Lys,Tyr)6:2:5:1 as substrate.

Purity

> 92 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Met

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.

Formulation

Supplied as sterile 50mM Tris, 100mM NaCl, pH 7.4, 20% gly, 0.3mM DTT
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

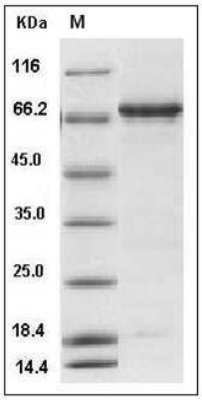
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human Insulin Receptor / INSR / CD220 Protein (His & GST Tag) SDS-PAGE