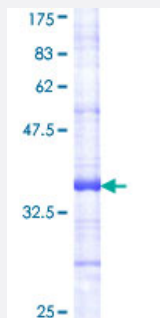


INSR (Human) Recombinant Protein (Q01)

Catalog # H00003643-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human INSR partial ORF (NP_000199, 881 a.a. - 980 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLYEVSRYRYGDEELHLCVSRKHFALERGCLRGLSPGNYSVRIRATSLAGNGSWTEPTYFYVTD YLDVPSNIAKIIIGPLIFVFLFSVVIGSYLFLR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — INSR

Entrez GeneID [3643](#)

GeneBank Accession# [NM_000208](#)

Protein Accession# [NP_000199](#)

Gene Name INSR

Gene Alias CD220, HHF5

Gene Description insulin receptor

Omim ID [147670](#) [246200](#) [262190](#) [609968](#) [610549](#)

Gene Ontology [Hyperlink](#)

Gene Summary After removal of the precursor signal peptide, the insulin receptor precursor is post-translationally cleaved into two chains (alpha and beta) that are covalently linked. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations -

Pathway

- [Adherens junction](#)
- [Insulin signaling pathway](#)
- [Type II diabetes mellitus](#)

Disease

- [Acanthosis Nigricans](#)
- [Adenomatous Polyps](#)
- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Insulin Resistance](#)

- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Migraine with Aura](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Thinness](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)