

HuPro®

INSR (Human) Recombinant protein

Catalog # P8858

Size 2 x 10 ug

Specification

Product Description

Human INSR (P06213, 28 a.a. - 944 a.a) partial recombinant protein with His tag at C-terminal expressed in HEK293 cells.

Sequence

ASHLYPGEVC PGMDIRNNLT RLHELENCVS IEGHLQILLM FKTRPEDFRD LSFPKLIMIT DYLLLF
RVYG LESLKDLFPN LTVIRGSRLF FNYALVIFEM VHLKELGLYN LMNITRGSVR IEKNNELCYL AT
IDWSRILD SVEDNYVLN KDDNEECGDI CPGTAKGKTN CPATVINGQF VERCWTHSHC QKVCP
TICKS HGCTAEGGCC HSECLGNCSQ PDDPTKCVAC RNFYLDGRCV ETCPPPYHF QDWRCV
NFSF CQDLHHKCKN SRRQGCHQYV IHNNKCIPEC PSGYTMNSSN LLCTPCLGPC PKVCHLLE
GE KTIDSVTSAQ ELRGCTVING SLIINIRGGN NLAAELEANL GLIEEISGYL KIRRSYALVS LSFFRK
LRLI RGETLEIGNY SFYALDNQNL RQLWDWSKHN LTTQGKLFH HYNPKLCLSE IHKMEEVSGT
KGRQERNLIA LKTNGDQASC ENELLKFSYI RTSFDKILLR WEPYWPPDFR DLLGFMLFYK EAPY
QNVTEF DGQDACGSNS WTVVDIDPPL RSNPKSQNH PGWLMRGLKP WTQYAFVKT LVTFS
DERRT YGAKSDIYV QTDATNPSVP LDPISVSNS SQILKWKPP SDPNGNITHY LVFWERQAED
SELFELDYCL KGLKLPSRTW SPPFESEDSQ KHNQSEYEDS AGECCSCPCT DSQILKELEE SS
FRKTFEDYLHNVVFVPRP SRKRRSLGDV GNVTVAVPTV AAFPNTSSTS VPTSPEEHRP FEKV
VNKESL VISGLRHFTG YRIELQACNQ DTPEERCSVA AYSARTMPE AKADDVGPV THEIFENN
VV HLMWQEPKEP NGLVLVEVS YRRYGDEELH LCVSRKHFAL ERGCRRLGLS PGNYSVRIRA
TSLAGNGSWT EPTYFYVDY LDVPSNIAKK LHHHHHH.

Host Human

Theoretical MW (kDa) 105.9

Form Lyophilized

Preparation Method HEK 293T cell expression system

Purity > 95% by SDS-PAGE.

Storage Buffer Lyophilized from 0.05M phosphate buffer and 0.075M NaCl, pH 7.4

Storage Instruction Lyophilized should be stored desiccated below -20°C. Reconstitution can be stored at 4°C for a limited period of time.
Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — INSR

Entrez GeneID [3643](#)

Protein Accession# [P06213](#)

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](#)