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Datasheet for ABIN1616241

Insulin Receptor Protein (INSR) (AA 1-128) (His tag)

Overview

Quantity:	1 mg
Target:	Insulin Receptor (INSR)
Protein Characteristics:	AA 1-128
Origin:	Rhesus Monkey
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This Insulin Receptor protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	VSNSSSQIIL KWKPPSDPNG NITHYLVFWE RQAEDSELF ELDYCLKGLKL PSRTWSPFFE SEDSQKHNS EYEDSAGECC SCPKTDSQIL KELEESSFRK TFEDYLHNWV FVPRKTSSGT GAEDPRPS
Specificity:	Macaca mulatta (Rhesus macaque)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	> 90 %

Target Details

Target:	Insulin Receptor (INSR)
Abstract:	INSR Products

Target Details

Background: Recommended name: Insulin receptor.
Short name= IR.
EC= 2.7.10.1.
Alternative name(s): CD_antigen= CD220 Cleaved into the following 2 chains: 1.
Insulin receptor subunit alpha 2.
Insulin receptor subunit beta

UniProt: [Q28516](#)

Pathways: [NF-kappaB Signaling](#), [RTK Signaling](#), [AMPK Signaling](#), [Carbohydrate Homeostasis](#), [Regulation of Cell Size](#), [Regulation of Carbohydrate Metabolic Process](#), [Growth Factor Binding](#), [Negative Regulation of Transporter Activity](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.