

Datasheet for ABIN1614867

**Insulin Receptor Protein (INSR) (AA 759-951) (His tag)**[Go to Product page](#)

## Overview

Quantity: 1 mg

Target: Insulin Receptor (INSR)

Protein Characteristics: AA 759-951

Origin: *Xenopus laevis*

Source: Yeast

Protein Type: Recombinant

Purification tag / Conjugate: This Insulin Receptor protein is labelled with His tag.

Application: ELISA

## Product Details

Sequence: DL FGVANGTLPD PVTAPPLFNV SSTRAPDEPE PKIYSQKVWF KESVLISGLK HFTGYRIEIH  
ACNHELSMGC SVAAYVNART MPEATADKVV GPITYEYVEP NIIHLKWQEP KDPNGLIVLY  
EVHYSRVGGI EEVITCVSQK QYNTDKGGKL RVLTPGNYSV KIRATSLAGN GSWTEQAYFQ  
VPDHPHSNIV K

Specificity: *Xenopus laevis* (African clawed frog)

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: &gt; 90 %

## Target Details

Target: Insulin Receptor (INSR)

## Target Details

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Abstract: [INSR Products](#)

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Background: Recommended name: Insulin receptor.  
Short name= IR.  
EC= 2.7.10.1.  
Alternative name(s): XTK-1b Xe-InsR Cleaved into the following 2 chains: 1.  
Insulin receptor subunit alpha 2.  
Insulin receptor subunit beta

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UniProt: [Q9PVZ4](#)

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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](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Concentration: 0.2-2 mg/mL

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Buffer: Tris-based buffer, 50 % glycerol

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

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Storage: -20 °C

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## Handling

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