

# Human IRAK4 (His Tag) recombinant protein



Catalog Number: 501171

## General Information

### Gene Name Synonym

Renal carcinoma antigen NY-REN-64

### Protein Construction

A DNA sequence encoding the full length of human IRAK4 (Q9NWZ3-1) (Met 1-Ser 460) was expressed with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

The specific activity was determined to be 169 nmol/min/mg using MBP as substrate.

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

## Molecular Mass

The recombinant human IRAK4 consists of 478 amino acids and predicts a molecular mass of 53.8 kDa. It migrates as an approximately 48 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, 0.5mM PMSF, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

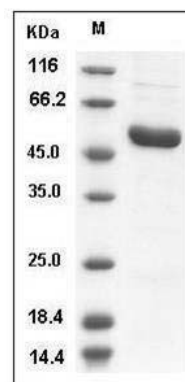
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 IRAK4 / IRAK-4 Protein (His Tag) SDS-PAGE