# 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**

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

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70 °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**

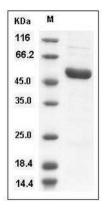
#### **Storage**

Store it under sterile conditions at -20°C to -80°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