

# Mouse KYNU (His Tag) recombinant protein



Catalog Number: 501400

## General Information

### Gene Name Synonym

L-kynurenine hydrolase

### Protein Construction

A DNA sequence encoding the mouse KYNU (Q9CXF0) (Met 1-Ser 464) was expressed with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by its ability to oxidize 3-hydroxykynurenine.  
The specific activity is > 300 pmoles/min/μg.

### Purity

> 94 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per μg 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 mouse KYNU consists of 474 amino acids and has a calculated molecular mass of 53.7 kDa. It migrates as an approximately 47 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.0

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

## Usage Guide

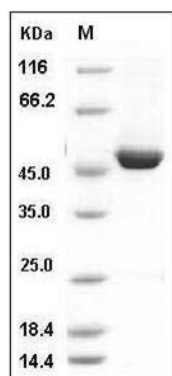
### Storage

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



Mouse KYNU / Kynureninase Protein (His Tag)  
SDS-PAGE