

Mouse KYNU / Kynureninase Protein (His Tag)

Catalog Number: 50310-M08B



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

4432411A05Rik

Protein Construction:

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

Source: Mouse

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 94 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to oxidize 3-hydroxykynurenine. The specific activity is > 100 pmoles/min/μg.

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

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

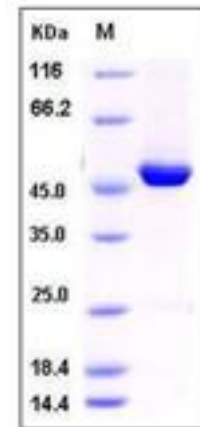
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

- 1.Lima S, *et al.* (2007) Crystal structure of Homo sapiens kynureninase. *Biochemistry*. 46(10): 2735-44.
- 2.Momany C, *et al.* (2004) Three-dimensional structure of kynureninase from *Pseudomonas fluorescens*. *Biochemistry*. 43(5): 1193-203.
- 3.Toma S, *et al.* (1997) Cloning and recombinant expression of rat and human kynureninase. *FEBS Lett*. 408(1): 5-10.

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