

# Mouse AGO2 / Argonaute 2 (His Tag) recombinant protein



Catalog Number: 500668

## General Information

### Gene Name Synonym

Argonaute RISC catalytic component 2;  
Eukaryotic translation initiation factor 2C 2;  
Piwi/argonaute family protein meIF2C2; Protein  
slicer

### Protein Construction

A DNA sequence encoding the mouse AGO2  
(Q8CJG0) (Met 1-Ala 860) was fused with a  
polyhistidine tag at the N-terminus.

### Organism

Mouse

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 88 % 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 mouse AGO2 consists of 878  
amino acids and has a calculated molecular mass  
of 99 kDa. It migrates as an approximately 105  
kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl,  
pH 7.4, 10% gly

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

## Usage Guide

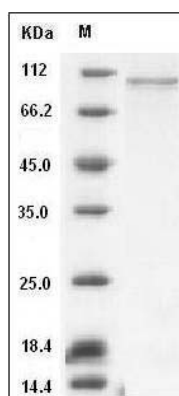
### Storage

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



Mouse AGO2 / Argonaute 2 / EIF2C2 Protein (His  
Tag) SDS-PAGE