

# Mouse Carbonic Anhydrase II (His Tag) recombinant protein



Catalog Number: 501333

## General Information

### Gene Name Synonym

Carbonate dehydratase II; Carbonic anhydrase II

### Protein Construction

A DNA sequence encoding the mouse CA2 (AAH55291.1) (Met 1-Lys 260) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its esterase activity. The specific activity is >100 pmoles/min/μg.

### Purity

> 96 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

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

### Predicted N terminal

Ser 2

### Molecular Mass

The recombinant mouse CA2 comprises 270 amino acids and has a calculated molecular mass of 30.4 kDa. The recombinant protein migrates as an approximately 30-33 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 150mM NaCl, pH 7.5

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

## Usage Guide

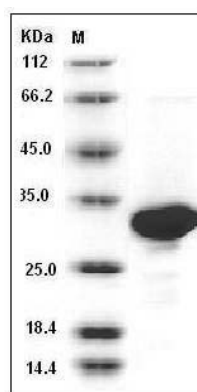
### Storage

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 Carbonic Anhydrase II / Car2 Protein (His Tag) SDS-PAGE