

# Mouse Carbonic Anhydrase X (His Tag) recombinant protein



Catalog Number: 500326

## General Information

### Gene Name Synonym

Carbonic anhydrase-related protein X

### Protein Construction

A DNA sequence encoding the mouse Car10 (P61215) (Met 1-Asn 300) was expressed, fused with a C-terminal polyhistidine tag.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its esterase activity.  
The specific activity is  $>10$  pmoles/min/ $\mu$ g.

### Purity

$> 97$  % 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  $-70^{\circ}\text{C}$

### Predicted N terminal

Gln 23

### Molecular Mass

The secreted recombinant mouse Car10 comprises 289 amino acids and has a calculated molecular mass of 33.1 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 38 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 25mM Tris, 150mM NaCl, pH 7.4

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

## Usage Guide

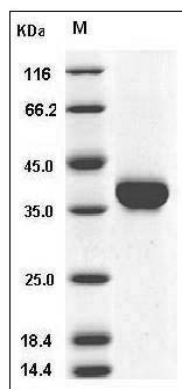
### Storage

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 Carbonic Anhydrase X / Car10 Protein (His Tag) SDS-PAGE