

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

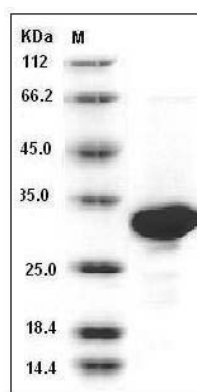
Storage

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