

Mouse Carbonic Anhydrase VIII/CA8 (His Tag) recombinant protein



Catalog Number: 501353

General Information

Gene Name Synonym

Carbonic anhydrase VIII

Protein Construction

A DNA sequence encoding the mouse CA8 (P28651) (Met 1-Gln 291) 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 >5 pmoles/min/μg.

Purity

> 88 % 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

Met 1

Molecular Mass

The recombinant mouse CA8 comprises 301 amino acids and has a calculated molecular mass of 34.5 kDa. The recombinant protein migrates as an approximately 37 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 50mM Tris, pH 8.0
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

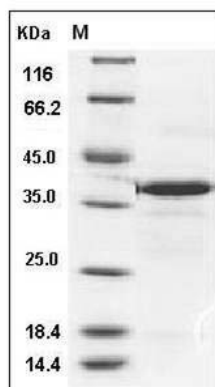
Storage

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 VIII / Car8 Protein (His Tag) SDS-PAGE