

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/μg.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

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

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

Usage Guide

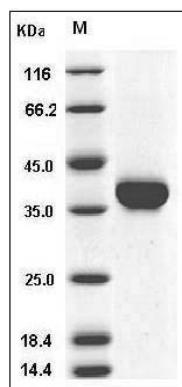
Storage

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 X / Car10 Protein (His Tag) SDS-PAGE