

Mouse Carbonic Anhydrase IX/CA9 (His Tag) recombinant protein



Catalog Number: 501350

General Information

Gene Name Synonym

Carbonic anhydrase 9, isoform CRA_a

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CAR9 (NP_647466.2) (Met 1-Asp 390) was expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

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

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ 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°C

Predicted N terminal

Gln 32

Molecular Mass

The secreted recombinant mouse CAR9 comprises 370 amino acids and has a calculated molecular mass of 40.3 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 45-50 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, 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

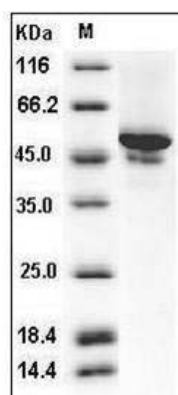
Storage

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 IX / Car9 Protein (His Tag) SDS-PAGE