

Human Carbonic Anhydrase VB (His Tag) recombinant protein



Catalog Number: 501268

General Information

Gene Name Synonym

Carbonate dehydratase VB; Carbonic anhydrase VB

Protein Construction

A DNA sequence encoding the mature form of human CA5B (Q9Y2D0) (Cys 34-Pro 317) was fused with a polyhistidine tag at the C-terminus and an initial Met at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its esterase activity. The specific activity is >150 pmoles/min/ μ g.

Purity

> 97 % 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

Molecular Mass

The recombinant human CA5B comprises 295 amino acids and migrates as an approximately 34 kDa band as predicted in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 50mM NaCl, 0.05% Brij-35, 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

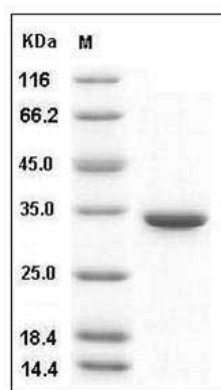
Storage

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



Human Carbonic Anhydrase VB / CA5B Protein (His Tag) SDS-PAGE