

Human Carbonic Anhydrase VII (His Tag) recombinant protein



Catalog Number: 502138

General Information

Gene Name Synonym

Carbonate dehydratase VII; Carbonic anhydrase VII

Protein Construction

A DNA sequence encoding the human CA7 (P43166) (Met 1-Ala 264) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its esterase activity. The activity is >20 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

Met

Molecular Mass

The recombinant human CA7 consisting of 274 amino acids and has a calculated molecular mass of 31 kDa. It migrates as an approximately 33 kDa band 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

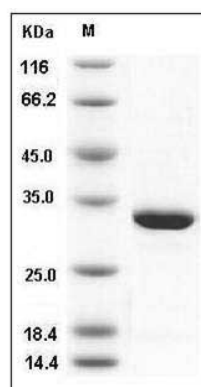
Storage

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



Human Carbonic Anhydrase VII / CA7 Protein (His Tag) SDS-PAGE