

Human Carbonic Anhydrase XIII/CA13 (His Tag) recombinant protein



Catalog Number: 501033

General Information

Gene Name Synonym

Carbonate dehydratase XIII; Carbonic anhydrase XIII

Protein Construction

A DNA sequence encoding the human CA13 (NP_940986.1) (Met 1-His 262) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its esterase activity. The specific activity is >7 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 1

Molecular Mass

The recombinant human CA13 consisting of 268 amino acids and has a calculated molecular mass of 30.3 kDa. It migrates as an approximately 32 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 0.5M NaCl, 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

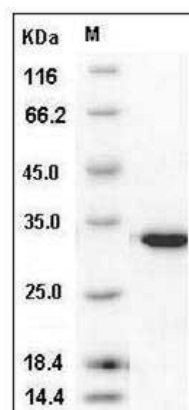
Storage

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 XIII / CA13 Protein (His Tag) SDS-PAGE