Human Carbonic Anhydrase XIV (His Tag) recombinant protein

Catalog Number: 500533

General Information

Gene Name Synonym

cDNA FLJ77981, highly similar to Homo sapiens carbonic anhydrase 14; cDNA, FLJ96529, Homo sapiens carbonic anhydrase XIV (CA14)

Protein Construction

A DNA sequence encoding the extracellular domain of human CA14 (NP_036245.1) (Met 1-Met 290) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

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℃

Predicted N terminal

Ala 16

Molecular Mass

The recombinant human CA14 consisting of 286 amino acids and has a calculated molecular mass of 32.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 45-48 kDa protein 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

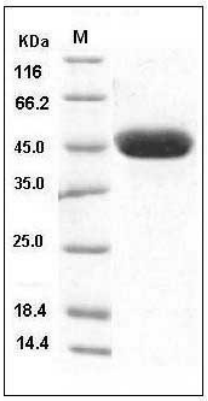
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 XIV / CA14 Protein (His Tag) SDS-PAGE