

General Information

Gene Name Synonym

ALDHIII; Aldehyde dehydrogenase 3; Aldehyde dehydrogenase family 3 member A1

Protein Construction

A DNA sequence encoding the human ALDH3A1 (AAH04370.1) (Met 1-His 453) was fused with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 90 % 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°C

Predicted N terminal

Met

Molecular Mass

The recombinant human ALDH3A1 consists of 472 amino acids and has a calculated molecular mass of 52.6 kDa. It migrates as an approximately 50 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

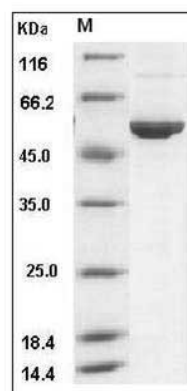
Storage

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 ALDH3A1 Protein (His Tag) SDS-PAGE