Human AKR1B1 (His Tag) recombinant protein

Catalog Number: 501255

General Information

Gene Name Synonym

Aldehyde reductase; Aldo-keto reductase family 1 member B1

Protein Construction

A DNA sequence encoding the human AKR1B1 (P15121) (Met 1-Phe 316) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Purity

> 90 % 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℃

Predicted N terminal

Met

Molecular Mass

The recombinant human AKR1B1 comprises 332 amino acids and has a predicted molecular mass of 37.9 kDa. It migrates as an approximately 36 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, 20% glycerol, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

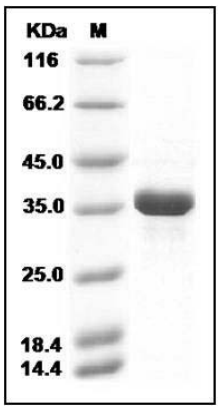
Storage

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 AKR1B1 Protein (His Tag) SDS-PAGE