

Human Leukotriene A4 Hydrolase/LTA4H (His Tag) recombinant protein



Catalog Number: 500646

General Information

Gene Name Synonym

Leukotriene A(4) hydrolase

Protein Construction

A DNA sequence encoding the human LTA4H (NP_000886.1) (Met1-Asp611) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Arg-7-amido-4-methylcoumarin(R-AMC).

The specific activity is > 15 pmoles/min/μg.

Purity

> 95 % 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 LTA4H consists of 621 amino acids and predicts a molecular mass of 70.7 kDa. It migrates as approximately 58-68 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

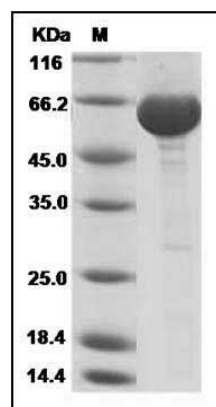
Storage

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 Leukotriene A4 Hydrolase / LTA4H Protein (His Tag) SDS-PAGE