

# Mouse Leukotriene A4 Hydrolase/LTA4H (His Tag) recombinant protein



Catalog Number: 501632

## General Information

### Gene Name Synonym

Leukotriene A(4) hydrolase

### Protein Construction

A DNA sequence encoding the mouse LTA4H (NP\_032543.2) (Met 1-Asp 611) was expressed, with a C-terminal polyhistidine tag.

### Organism

Mouse

### 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

> 92 % 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 1

## Molecular Mass

The recombinant mouse LTA4H consists of 621 amino acids and has a calculated molecular mass of 70.4 kDa. It migrates as an approximately 62 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 50mM Tris, 100mM 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

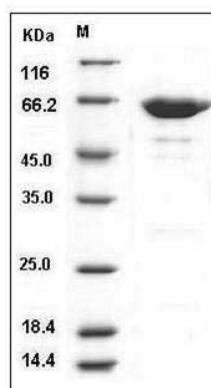
### Storage

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



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