

Mouse KLK1/Kallikrein 1 (His Tag) recombinant protein



Catalog Number: 501161

General Information

Gene Name Synonym

Glandular kallikrein K1; KAL-B; Renal kallikrein; Tissue kallikrein-6

Protein Construction

A DNA sequence encoding the mouse KLK1 (P15947) (Met1-Asp261) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a fluorogenic peptide substrate Pro-Phe-Arg-7-amido-4-methylcoumarin(PFR-AMC).

The specific activity is >6,000 pmol/min/μg.

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

Pro 19

Molecular Mass

The recombinant mouse KLK1 comprises 254 amino acids and has a predicted molecular mass of 28.3 kDa. The apparent molecular mass of the protein is approximately 36 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 25 mM Tris, 5 mM CaCl₂, 0.15 M NaCl, 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

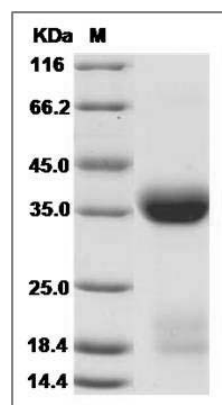
Storage

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



Mouse KLK1 / Kallikrein 1 Protein (His Tag) SDS-PAGE