# Mouse KLK7/Kallikrein 7(PRSS6) (His Tag) recombinant protein

Catalog Number: 502142



#### **General Information**

# Gene Name Synonym

Serine protease 6; Stratum corneum chymotryptic enzyme; Thymopsin

#### **Protein Construction**

A DNA sequence encoding the mouse KLK7 (Q91VE3) (Met1-Arg249) was expressed with a C-terminal polyhistidine tag.

# **Organism**

Mouse

# **Expression Host**

**Human Cells** 

# **QC Testing**

# **Activity**

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2 (AnaSpec, Cat#27114).

The specific activity is >70 pmoles/min/ $\mu$ g.

## **Purity**

> (71.4+26) % as determined by SDS-PAGE

# **Endotoxin**

< 1.0 EU per  $\mu g$  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**

Gln 22

#### **Molecular Mass**

The recombinant mouse KLK7 comprises 239 amino acids and has a predicted molecular mass of 26.5 kDa. The apparent molecular mass of the protein is approximately 31 and 34 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### **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**

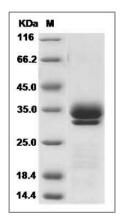
#### **Storage**

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**



Mouse KLK7 / Kallikrein 7 Protein (His Tag) SDS-PAGE