# Mouse Trypsin 2/PRSS2 (His Tag) recombinant protein

Catalog Number: 500377



# **General Information**

#### Gene Name Synonym

Anionic trypsin II; Pretrypsinogen II; Serine protease 2

#### **Protein Construction**

A DNA sequence encoding the mouse PRSS2 (NP\_033456.1) precursor (Met 1-Asn 246) 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, Catalog #27096). The specific activity is >1500 pmoles/min/µg.

#### **Purity**

> 92 % 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**

Phe 16

#### **Molecular Mass**

The recombinant pro form of mouse PRSS2 comprises 242 amino acids and has a predicted molecular mass of 26.2 kDa. The apparent molecular mass of rm PRSS2 is approximately 32 kDa in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile PBS, 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**

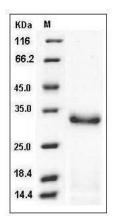
# **Storage**

Store it under sterile conditions at -20°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 Trypsin 2 / PRSS2 Protein (His Tag) SDS-PAGE