

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 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

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

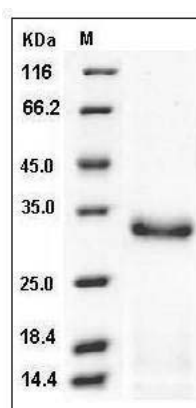
Storage

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