

Human Trypsin-3/PRSS3 (His Tag) recombinant protein



Catalog Number: 501511

General Information

Gene Name Synonym

Brain trypsinogen; Mesotrypsinogen; Serine protease 3; Serine protease 4; Trypsin III; Trypsin IV

Protein Construction

A DNA sequence encoding the human PRSS3 isoform c (P35030-3) (Met 1-Ser 247) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Human

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#27114). The specific activity is >4,000 pmoles/min/μg.

Purity

> 95 % 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

Val 16

Molecular Mass

The secreted recombinant pro form of the human PRSS3 consists of 243 amino acids and predicts a molecular mass of 26.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhPRSS3 is approximately 33 kDa due to glycosylation.

Formulation

Lyophilized from sterile 50mM MES, 0.6M NaCl, pH 5.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

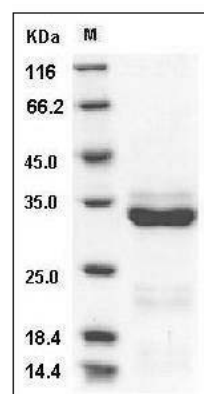
Storage

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



Human Trypsin-3 / PRSS3 Protein (His Tag) SDS-PAGE