Human KLK11/Kallikrein 11 (His Tag) recombinant protein

Catalog Number: 500636

General Information

Gene Name Synonym

Hippostasin; Serine protease 20; Trypsin-like protease; Kallikrein-11 inactive chain 1; Kallikrein-11 inactive chain 2

Protein Construction

A DNA sequence encoding the human KLK11 isoform 1 (NP_006844.1) (Met 1-Asn 250) with a C-terminal polyhistidine tag was expressed.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave a colorimetric peptide substrate D-Val-Leu-Lys-ThioBenzyl ester (VLK-SBzl), in the presence of 5,5'Dithio-bis (2-nitrobenzoic acid) (DTNB) (Edwards, K.M. et al.,1999, J. Biol. Chem. 274: 30468). The specific activity is >200 pmoles/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℃

Predicted N terminal

Glu 19

Molecular Mass

The secreted recombinant human KLKL11 comprises 243 amino acids with a predicted molecular mass of 27 kDa. As a result of glycosylation, rhKLK11 migrates as an approximately 40 kDa band in SDS-PAGE under reducing conditions.

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

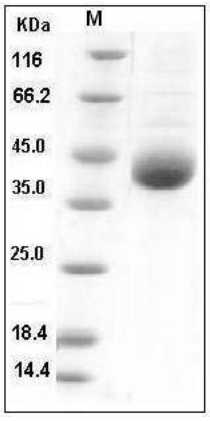
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 KLK11 / Kallikrein-11 Protein (His Tag) SDS-PAGE