

Mouse KNG1/Kininogen 1 (His Tag) recombinant protein



Catalog Number: 500664

General Information

Protein Construction

A DNA sequence encoding the mouse KNG1 isoform 3 (NP_001095882.1) (Glu 21-Ser 480) was expressed, with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC (R&D Systems, Catalog # ES009). The IC₅₀ value is < 5 nM.

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

Glu 21

Molecular Mass

The secreted recombinant mouse KNG1 consists of 471 amino acids and has a predicted molecular mass of 52.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm KNG1 is approximately 70-80 kDa due to glycosylation.

Formulation

Lyophilized from sterile 20mM Tris, 100mM NaCl, 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

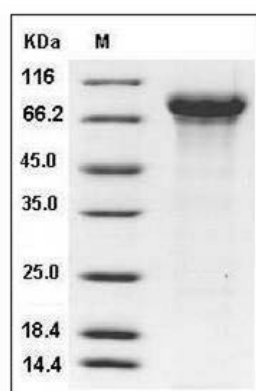
Storage

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 KNG1 / BDK / kininogen-1 Protein (His Tag) SDS-PAGE