

Recombinant Mouse Kallikrein 1/KLK1 Protein (His Tag)

RPES3906

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES3906

Purity: > 90 % as determined by reducing SDS-PAGE.

Contents: 50µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Mouse

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: Glandular kallikrein K1, KAL-B, Renal kallikrein, Tissue kallikrein-6, mGK-6

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: Measured by its ability to cleave a fluorogenic peptide substrate Pro-Phe-Arg-7-amido-4-methylcoumarin(PFR-AMC). The specific activity is > 6, 000 pmol/min/µg. (Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)

Calculated MW: 28.3 kDa

Formulation: Lyophilized from sterile 25 mM Tris, 5 mM CaCl₂, 0.15 M NaCl, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 36 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: P15947

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Mouse Kallikrein 1/KLK1 protein Met1-Asp261, with an C- terminal His

Sequence: Met1-Asp261

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder