

Recombinant Human Kallikrein 11/KLK11 Protein (His Tag)

RPES0999

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: RPES0999

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

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

Concentration: -

Species: Human

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

Synonyms: Hippostasin, KLK11, Kallikrein-11, PRSS20, Serine Protease 20, TLSP, Trypsin-Like Protease, hK11

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 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. (Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)

Calculated MW: 27.0 kDa

Formulation: Lyophilized from sterile PBS, 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: 40 kDa

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

Accession: NP_006844.1

Source: HEK293 Cells-derived Human Kallikrein 11/KLK11 protein Met 1-Asn 250, with an C- terminal His

Sequence: Met 1-Asn 250

Form: Lyophilized powder

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

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