

# Recombinant Mouse Kallikrein 7/KLK7 Protein (His Tag)

RPES3839

## 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:** RPES3839

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 20µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Mouse

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

**Synonyms:** Kallikrein-7, Klk7, PRSS6, SCCE, SCCEkallikrein-7, Serine protease 6, Stratum corneum chymotryptic enzyme, Thymopsin, kallikrein-related peptidase 7

**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 the fluorogenic peptide substrate, Mca-RPKPVE- Nval-WRK(Dnp)-NH<sub>2</sub> (AnaSpec, Cat#27114). The specific activity is > 70 pmoles/min/µg. (Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)

**Calculated MW:** 26.5 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.

**Observed MW:** -

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

**Accession:** Q91VE3

**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 7/KLK7 protein Met1-Arg249, with an C- terminal His

**Sequence:** Met1-Arg249

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

**Form:** Lyophilized powder