

**Recombinant Human Kallikrein 7 Protein**

**Cat.NO.: TP06092**

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3th Edition

**Synonyms:**Kallikrein-7; hK7; Serine Protease 6; Stratum Corneum Chymotryptic Enzyme; hSCCE; KLK7; PRSS6; SCCE

**Description:**Human Kallikrein 7 is a member of the tissue kallikrein family of extracellular serine proteases that is made up of 15 members. It is predominantly expressed in the skin. A major physiological function of Kallikrein 7 is to regulate the desquamation process (the shedding of corneocytes from the outer layer of the epidermis) through proteolysis of the intercellular adhesive structures between corneocytes. Dysregulation of Kallikrein 7 has been linked to several inflammatory skin diseases including atopic dermatitis, psoriasis, and Netherton syndrome. Studies have shown that Kallikrein 5 is a potential physiological activator for Kallikrein 7. The proform of Kallikrein 7 can be activated by thermolysin.

**Form:**PBS

**Molecular Weight:**26.2 kDa

**Sequences:**Glu23-His252

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.