

## 32-7333: Recombinant Human Kallikrein 7/KLK7/SCEE (C-6His)

**Gene :** KLK7  
**Gene ID :** 5650  
**Uniprot ID :** P49862

### Description

Source: Human Cells.  
MW :26.17kD.

Recombinant Human Kallikrein 7 is produced by our Mammalian expression system and the target gene encoding Glu23-His252 is expressed with a 6His tag at the C-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** EEAQGDKIIDGAPCARGSHPWQVALLSGNQLHCGGVLVNERWVLTAAHCKMNEYTVHLGSDTLGDRRAQRIK  
ASKSFRHPGYSTQTHVNDLMLVKLNSQARLSSMVKKVRLPSRCEPPGTTCTVSGWGTTTSPDVTFPSDLMCV  
DVKLISPQDCTKVYKDLENSMLCAGIPDSKKNACNGDSGGPLVCRGTLQGLVSWGTFPWGQPNDPGVYTQV  
CKFTKWINDTMKKHVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.