

Recombinant Human KLK7 (C-6His)

Catalog No: C364

Description	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.
Source	Human Cells
Alternative name	Kallikrein-7; hK7; Serine Protease 6; Stratum Corneum Chymotryptic Enzyme; hSCCE; KLK7; PRSS6; SCCE
Accession No.	AAH32005
Predicted Molecular Weight	26.17kDa
AP Molecular Weight	30kDa, reducing conditions.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.5.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped on dry ice/polar packs.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Background	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.

SDS-Page

