

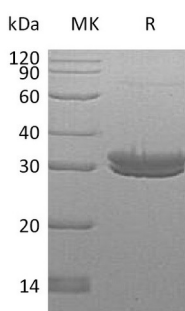
Product Name: Recombinant Human KLK7 (C-6His)
Catalog #: PHH1039



Summary

Name	Kallikrein 7/KLK7
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH32005
Host	Human Cells
Species	Human
Predicted Molecular Mass	26.17 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Kallikrein-7; hK7; Serine Protease 6; Stratum Corneum Chymotryptic Enzyme; hSCCE; KLK7; PRSS6; SCCE
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

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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.

Note

For Research Use Only , Not for Diagnostic Use.