

Recombinant Human Kallikrein 7/KLK7 Protein (His Tag)

Catalog Number: PKSH033421

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

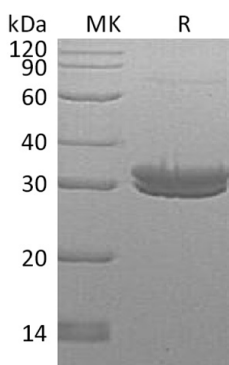
Description

Species	Human
Source	HEK293 Cells-derived Human Kallikrein 7/KLK7 protein Glu23-His252, with an C-terminal His
Calculated MW	26.2 kDa
Observed MW	30 kDa
Accession	AAH32005
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM HEPES, 150mM NaCl, pH 7.5.

Data



> 95 % as determined by reducing SDS-PAGE.

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.