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Datasheet for ABIN1097020

Kallikrein 7 Protein (KLK7) (AA 23-252) (His tag)

Overview

Quantity:	50 µg
Target:	Kallikrein 7 (KLK7)
Protein Characteristics:	AA 23-252
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 7 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Kallikrein 7/KLK7/SCEE (C-6His
Sequence:	EEAQGDKIID GAPCARGSHP WQVALLSGNQ LHCGGVLVNE RWVLTAAHCK MNEYTVHLGS DTLGDRRAQR IKASKSFRHP GYSTQTHVND LMLVKLNSQA RLSSMVKKVR LPSRCEPPGT TCTVSGWGTT TSPDVTFPSD LMCVDVKLIS PQDCTKVYKD LLENSMLCAG IPDSKKNACN GDSGGPLVCR GTLQGLVSWG TFPWGPNDP GVYTVQCKFT KWINDTMKKH VDHHHHHH
Characteristics:	Recombinant Human Kallikrein 7/KLK7/SCEE (C-6His
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Kallikrein 7 (KLK7)
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Target Details

Alternative Name:	Kallikrein 7 (KLK7 Products)
Background:	<p>Recombinant Human Kallikrein 7 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Glu23-Arg253) of Human KLK7 fused with a polyhistidine tag at the C-terminus.</p> <p>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.</p>
Molecular Weight:	26.17 kDa
UniProt:	P49862
Pathways:	Complement System

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months