

Datasheet for ABIN7320700

Kallikrein 7 Protein (KLK7) (His tag)[Go to Product page](#)**1** Image

Overview

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

Product Details

Purpose:	Recombinant Mouse Kallikrein 7/KLK7 Protein (His Tag)
Sequence:	Gln22-Arg249
Characteristics:	Recombinant Mouse Kallikrein 7 is produced by our Mammalian expression system and the target gene encoding Gln22-Arg249 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Kallikrein 7 (KLK7)
Alternative Name:	Kallikrein 7/KLK7 (KLK7 Products)
Background:	Background: Kallikrein7, also named as stratum corneum chymotryptic enzyme (SCCE), is a secreted protein of the Kallikrein-related peptidase (KLK) family. This family contains fifteen homologous secreted serine endopeptidases and plays a significant role in various

Target Details

physiological processes, including skin desquamation, semen liquefaction, neural plasticity, and body fluid homeostasis. In skin KLK5, KLK 7 and KLK14 are able to degrade corneodesmosomes, which leads to desquamation of skin surface cells. KLK activation is believed to be mediated through highly organized proteolytic cascades, regulated through a series of feedback loops, inhibitors, auto-degradation and internal cleavages. Studies have shown that one potential physiological activator for KLK7 is KLK5. Along with KLK14, these three kallikreins form a proteolytic cascade in the stratum corneum. KLK7 is primarily expressed in the skin but is also detected at relatively high levels in esophagus, heart, liver, central nervous system, kidney, pancreas, mammary and salivary glands.

Synonym: Kallikrein-7, Klk7, Serine protease 6, Stratum corneum chymotryptic enzyme, Thymopsin, kallikrein-related peptidase 7, PRSS6, SCCEkallikrein-7,SCCE

Molecular Weight:	26.1 kDa
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UniProt:	Q91VE3
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Pathways:	Complement System
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Application Details

Restrictions:	For Research Use only
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Handling

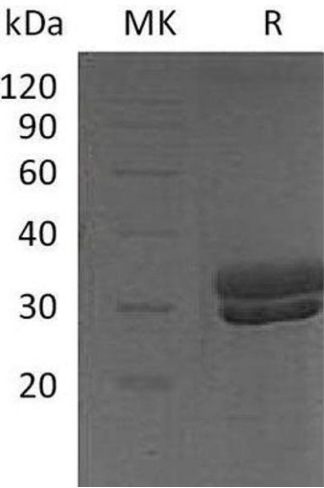
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.4.
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.