

Datasheet for ABIN7275097

Kallikrein 5 Protein (KLK5) (AA 30-293) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Kallikrein 5 (KLK5)
Protein Characteristics:	AA 30-293
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Kallikrein 5 protein is labelled with His tag.

Product Details

Purpose:	Mouse Kallikrein 5/KLK5 Protein
Sequence:	Gly30-Asn293
Characteristics:	Recombinant Mouse Kallikrein 5/KLK5 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly30-Asn293.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Kallikrein 5 (KLK5)
Alternative Name:	Kallikrein 5 (KLK5 Products)

Target Details

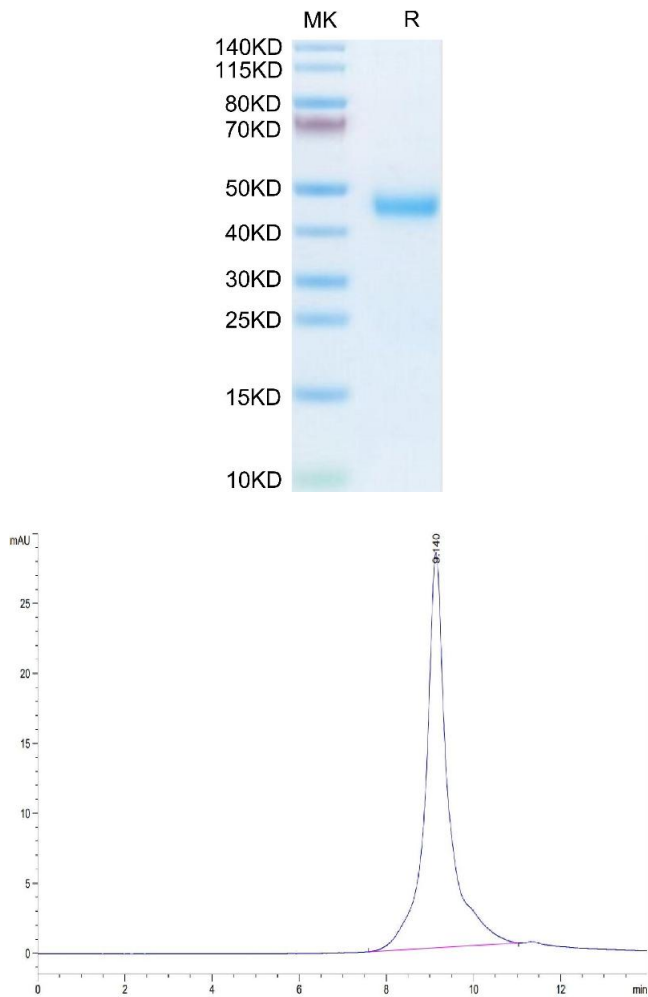
Background:	The inhibition of kallikrein 5 (KLK5) has been identified as a potential strategy for treatment of the genetic skin disorder Netherton syndrome, in which loss-of-function mutations in the SPINK5 gene lead to down-regulation of the endogenous inhibitor LEKTI-1 and profound skin-barrier defects with severe allergic manifestations. To aid in the development of a medicine for this target, an X-ray crystallographic system was developed to facilitate fragment-guided chemistry and knowledge-based drug-discovery approaches.
Molecular Weight:	29.9 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	Q9D140
Pathways:	Complement System , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 20 mM NaAc, 150 mM NaCl (pH 5.0).
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM NaAc, 150 mM NaCl (pH 5.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse Kallikrein 5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse Kallikrein 5 is greater than 95 % as determined by SEC-HPLC.