

Datasheet for ABIN7275107

KREMEN1 Protein (AA 21-392) (Fc Tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	KREMEN1
Protein Characteristics:	AA 21-392
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KREMEN1 protein is labelled with Fc Tag.

Product Details

Purpose:	Human Kremen-1 Protein
Sequence:	Arg21-Thr392
Characteristics:	Recombinant Human Kremen-1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Arg21-Thr392.
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:	KREMEN1
Alternative Name:	Kremen-1 (KREMEN1 Products)

Target Details

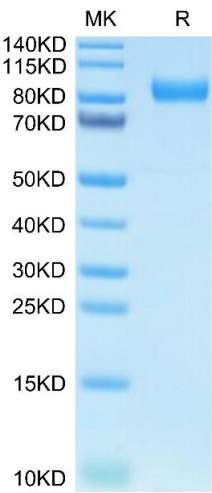
Background:	KREMEN1 (KRM1) has been identified as a functional receptor for Coxsackievirus A10 (CV-A10), a causative agent of hand-foot-and-mouth disease (HFMD), which poses a great threat to infants globally. KRM1 selectively binds to the mature viral particle above the canyon of the viral protein 1 (VP1) subunit and contacts across two adjacent asymmetry units. The key residues for receptor binding are conserved among most KRM1-dependent enteroviruses, suggesting a uniform mechanism for receptor binding.
Molecular Weight:	67.6 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Tris-Bis PAGE result.
Pathways:	WNT Signaling

Application Details

Restrictions:	For Research Use only
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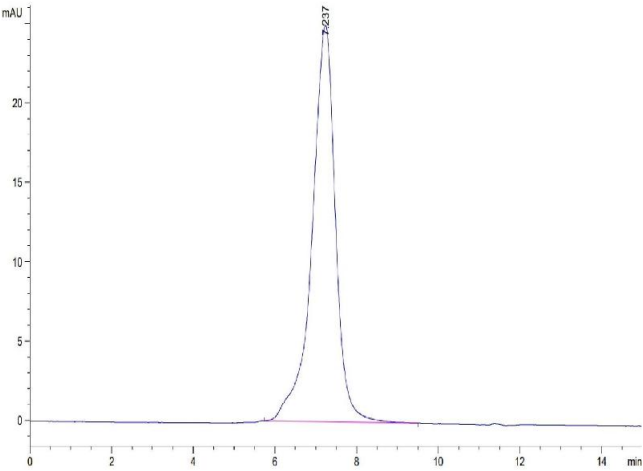
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). 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. Human Kremen-1 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 Human Kremen-1 is greater than 95 % as determined by SEC-HPLC.