



Datasheet for ABIN7275106

KREMEN2 Protein (AA 26-364) (His tag)



[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	KREMEN2
Protein Characteristics:	AA 26-364
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KREMEN2 protein is labelled with His tag.

Product Details

Purpose:	Human Kremen-2 Protein
Sequence:	Gly26-Ala364
Characteristics:	Recombinant Human Kremen-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly26-Ala364.
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.
Biological Activity Comment:	Immobilized Human Kremen-2, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Kremen-2 Antibody, hFc Tag with the EC50 of 12.4ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	KREMEN2
Alternative Name:	Kremen-2 (KREMEN2 Products)
Background:	Kremen2 (Krm2) plays an important role in embryonic development, bone formation, and tumorigenesis as a crucial regulator of classical Wnt/ β -catenin signaling pathway. Compared to para-cancerous tissues, Krm2 was significantly up-regulated in gastric cancer tissues and was positively correlated with the pathological grade of gastric cancer patients. Krm2 can be a potent candidate for designing of targeted therapy.
Molecular Weight:	37.1 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
Pathways:	WNT Signaling

Application Details

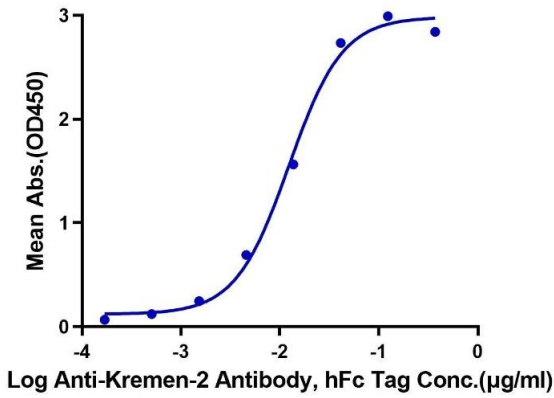
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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

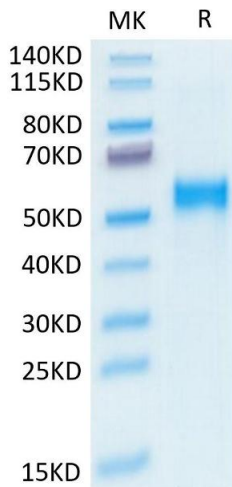
Human Kremen-2, His Tag ELISA

0.05µg Human Kremen-2, His Tag Per Well



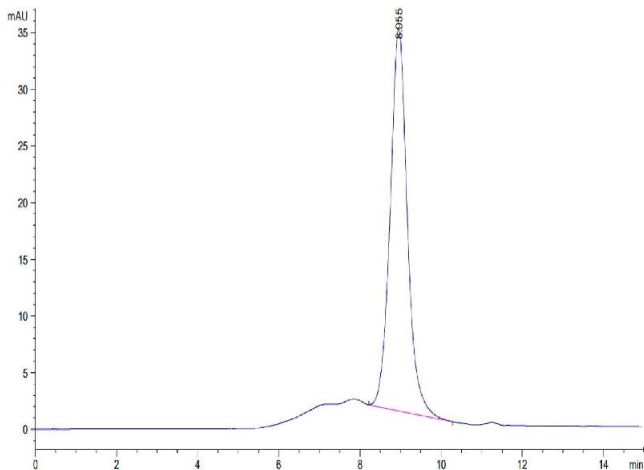
ELISA

Image 1. Immobilized Human Kremen-2, His Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-Kremen-2 Antibody, hFc Tag with the EC50 of 12.4 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human Kremen-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human Kremen-2 is greater than 95 % as determined by SEC-HPLC.