

Human Kremen-2 Protein

Cat. No. KRE-HM102

Description

Source	Recombinant Human Kremen-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly26-Ala364.
Accession	Q8NCW0-1
Molecular Weight	The protein has a predicted MW of 37.1 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

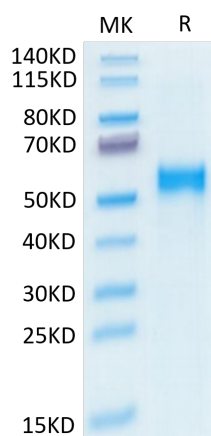
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

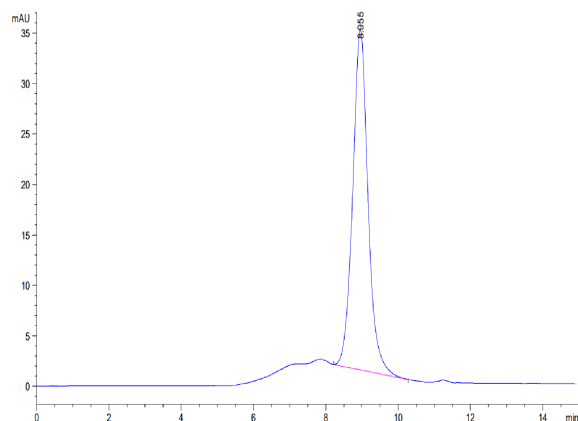
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



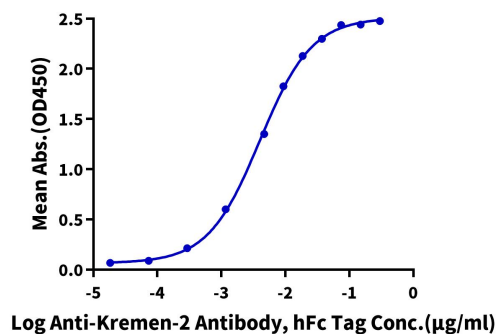
The purity of Human Kremen-2 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human Kremen-2, His Tag ELISA

0.1µg Human Kremen-2, His Tag Per Well



Immobilized Human Kremen-2, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-Kremen-2 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA (QC Test).