

# Human Kremen-2 Protein

Cat. No. KRE-HM102

## Description

<b>Source</b>	Recombinant Human Kremen-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly26-Ala364.
<b>Accession</b>	Q8NCW0-1
<b>Molecular Weight</b>	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.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

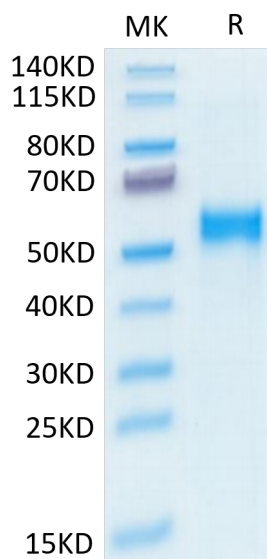
<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Kremen2 (Krm2) plays an important role in embryonic development, bone formation, and tumorigenesis as a crucial regulator of classical Wnt/ $\beta$ -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

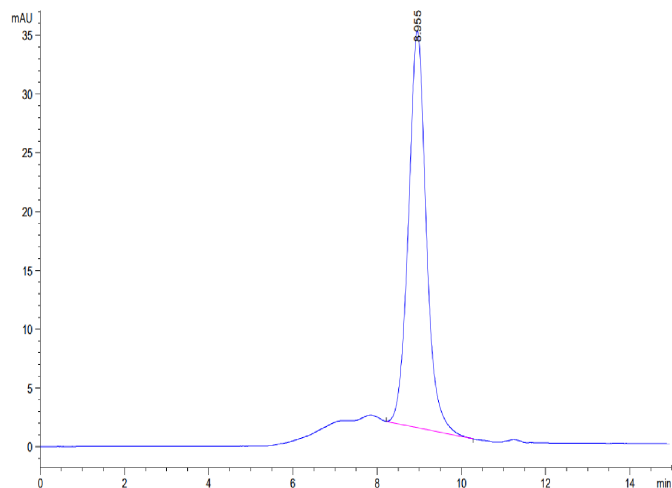
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data

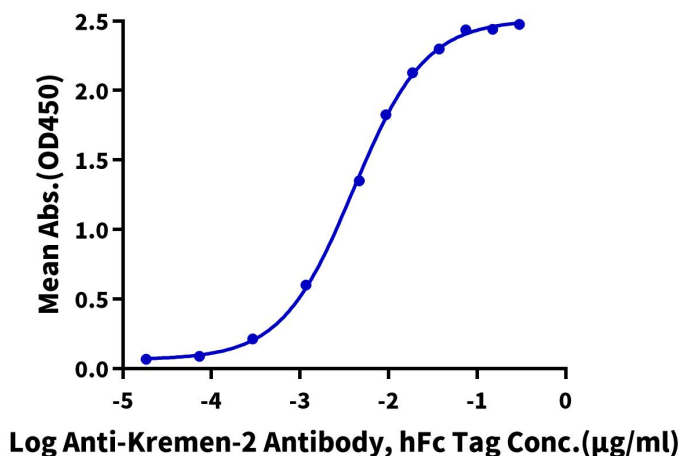


The purity of Human Kremen-2 is greater than 95% as determined by SEC-HPLC.

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).