

# Mouse Kremen-2 Protein

Cat. No. KRE-MM102

## Description

<b>Source</b>	Recombinant Mouse Kremen-2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly25-Ser363.
<b>Accession</b>	Q8K1S7
<b>Molecular Weight</b>	The protein has a predicted MW of 37.4 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

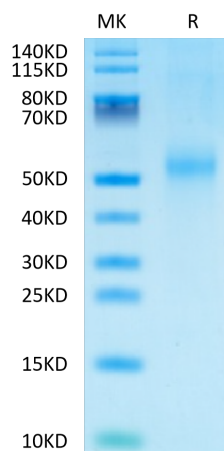
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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/ $\beta$ -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



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