

Bioactive

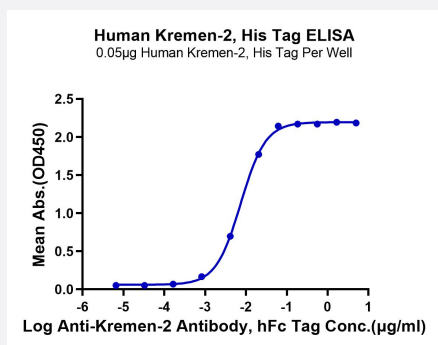
HuPro®

# KREMEN2 (Human) Recombinant Protein

Catalog # P9867

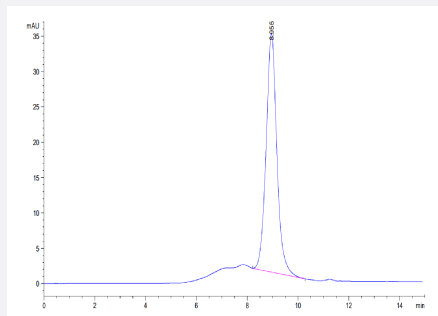
Size 100 ug

## Applications



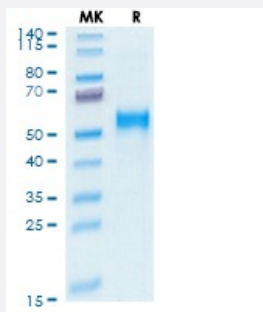
## Enzyme-linked Immunoabsorbent Assay

Immobilized Human Kremen-2, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-Kremen-2 Antibody, hFc Tag with the EC50 of 7.5 ng/mL determined by ELISA.



## SEC-HPLC

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



## Tris-Bis PAGE

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

## Specification

<b>Product Description</b>	Human KREMEN2 (Q8NCW0-1, Gly26-Ala364) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
<b>Sequence</b>	Gly26-Ala364
<b>Host</b>	Human
<b>Theoretical MW (kDa)</b>	37.1
<b>Form</b>	Lyophilized
<b>Preparation Method</b>	Mammalian cell (HEK293) expression system
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
<b>Endotoxin Level</b>	< 1 EU per 1 ug of protein (determined by LAL method)
<b>Activity</b>	The EC <sub>50</sub> was 7.5 ng/mL, measured by ELISA at 0.5 ug/mL.
<b>Quality Control Testing</b>	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human Kremen-2 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human Kremen-2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
<b>Recommend Usage</b>	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	Lyophilized from sterile distilled Water is > 100 ug/mL
<b>Storage Instruction</b>	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human Kremen-2, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-Kremen-2 Antibody, hFc Tag with the EC<sub>50</sub> of 7.5 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

## Gene Info — KREMEN2

**Entrez GeneID** [79412](#)**Protein Accession#** [Q8NCW0-1](#)**Gene Name** KREMEN2**Gene Alias** KRM2, MGC10791, MGC16709**Gene Description** kringle containing transmembrane protein 2**Omim ID** [609899](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes a high-affinity dickkopf homolog 1 (DKK1) transmembrane receptor that functionally cooperates with DKK1 to block wingless (WNT)/beta-catenin signaling. The encoded protein forms a ternary membrane complex with DKK1 and the WNT receptor lipoprotein receptor-related protein 6 (LRP6), and induces rapid endocytosis and removal of LRP6 from the plasma membrane. It contains extracellular kringle, WSC, and CUB domains. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene. [provided by RefSeq]

**Other Designations** kringle-containing transmembrane protein 2