

## Kremen-2 Protein, Human (HEK293, His)

Cat. No.:	HY-P77976
Synonyms:	KRM2; KREMEN2; Kremen-2; Dickkopf receptor 2
Species:	Human
Source:	HEK293
Accession:	Q8NCW0 (G26-A364)
Gene ID:	79412
Molecular Weight:	50-60 kDa

### PROPERTIES

Biological Activity	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 EC <sub>50</sub> of 7.5ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	Kremen-2 Protein serves as a receptor for Dickkopf proteins and collaborates with DKK1/2 to inhibit Wnt/beta-catenin signaling by facilitating the endocytosis of Wnt receptors LRP5 and LRP6. This regulatory role in the Wnt signaling pathway positions Kremen-2 as a key modulator of cellular responses to developmental cues. In limb development, Kremen-2 plays a crucial role by attenuating Wnt signaling, contributing to normal limb patterning, and negatively regulating bone formation. Its interaction with ERLEC1 and formation of a ternary complex with DKK1 and LRP6 underscore the intricate molecular mechanisms through which Kremen-2 participates in the fine-tuning of Wnt signaling and developmental processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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