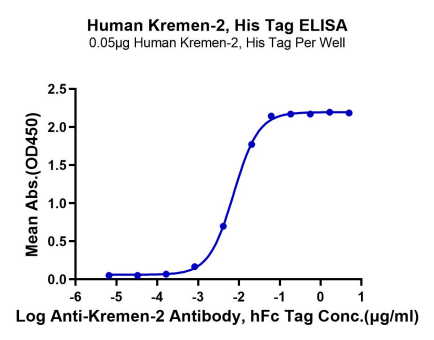
Bioactive HuPro®

KREMEN2 (Human) Recombinant Protein

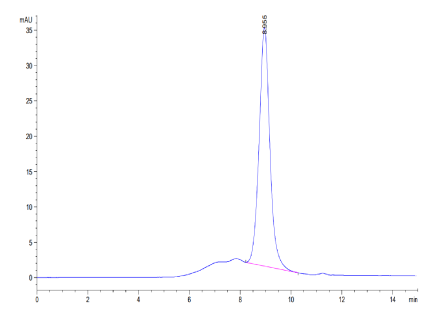
Catalog # P9867 Size 100 ug

Applications



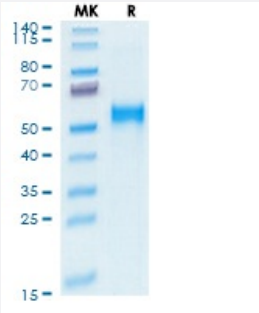
Enzyme-linked Immunoabsorbent Assay

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

Product Description	Human KREMEN2 (Q8NCW0-1, Gly26-Ala364) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Gly26-Ala364
Host	Human
Theoretical MW (kDa)	37.1
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 7.5 ng/mL, messured by ELISA at 0.5 ug/mL.
Quality Control Testing	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%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	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.
Note	Result of bioactivity analysis

Applications

- Enzyme-linked Immunoabsorbent Assay

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- 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