

## Recombinant Mouse Kremen1 Protein, Myc/DDK-tagged

**Cat. No.** Kremen1-3731M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length kringle containing transmembrane protein 1 (Kremen1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Receptor for Dickkopf proteins. Cooperates with DKK1/2 to inhibit Wnt/beta-catenin signaling by promoting the endocytosis of Wnt receptors LRP5 and LRP6. In the absence of DKK1, potentiates Wnt-beta-catenin signaling by maintaining LRP5 or LRP6 at the cell membrane. Can trigger apoptosis in a Wnt-independent manner and this apoptotic activity is inhibited upon binding of the ligand DKK1. Plays a role in limb development; attenuates Wnt signaling in the developing limb to allow normal limb patterning and can also negatively regulate bone formation. Modulates cell fate decisions in the developing cochlea with an inhibitory role in hair cell fate specification.
<b>Molecular Mass</b>	52.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Kremen1 kringle containing transmembrane protein 1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Kremen1](#)

**Synonyms** KREMEN1; kringle containing transmembrane protein 1; kremen protein 1; dickkopf receptor; kringle-coding gene marking the eye and the nose; kringle domain-containing transmembrane protein 1; kringle-containing protein marking the eye and the nose; Krm1; Kremen; AV002070

**Gene ID** [84035](#)

**mRNA Refseq** [NM\\_032396](#)

**Protein Refseq** [NP\\_115772](#)

**UniProt ID** [Q99N43](#)

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