

Kremen-2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77977
Synonyms:	KRM2; KREMEN2; Kremen-2; Dickkopf receptor 2
Species:	Mouse
Source:	HEK293
Accession:	Q8K1S7 (G25-S363)
Gene ID:	73016
Molecular Weight:	45-60 kDa

PROPERTIES

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, functioning as a receptor for Dickkopf proteins, operates in collaboration with DKK1/2 to restrain Wnt/beta-catenin signaling by facilitating the endocytosis of Wnt receptors LRP5 and LRP6. This regulatory role extends to limb development, where Kremen-2 acts to attenuate Wnt signaling, ensuring the normal patterning of limbs and exerting a negative influence on bone formation. Additionally, Kremen-2 forms a ternary complex with DKK1 and LRP6, emphasizing its involvement in intricate molecular interactions crucial for modulating key signaling pathways. The interaction with ERLEC1 further underscores the multifaceted regulatory functions of Kremen-2 in cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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