Recombinant Human KREMEN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KREMEN2-2131H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KREMEN2 MS Standard C13 and N15-labeled recombinant protein (NP_078783) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a high-affinity dickkopf homolog 1 (DKK1) transmembrane receptor. A similar protein in mouse functions interacts with 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.
Molecular Mass	44.4 kDa
AA Sequence	MGTQALQGFLFLLFLPLLQPRGASAGSLHSPGLSECFQVNGADYRGHQNRTGPRG AGRPCLFWDQTQQHSYSSASDPHGRWGLGAHNFCRNPDGDVQPWCYVAETEEGI YWRYCDIPSCHMPGYLGCFVDSGAPPALSGPSGTSTKLTVQVCLRFCRMKGYQLA GVEAGYACFCGSESDLARGRLAPATDCDQICFGHPGQLCGGDGRLGVYEVSVGSC QGNWTAPQGVIYSPDFPDEYGPDRNCSWALGPPGAALELTFRLFELADPRDRLELR

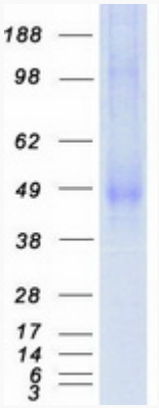
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	DAASGSLLRAFDGARPPPSGPLRLGTAALLLTFRSDARGHAQGFALTYRGLQDAAE DPEAPEGSAQTPAAPLDGANVSCSPRPGAPPAAIGGAVCWLREKGPRRWGLPGAP GEAGLCGTNSPEGWPCPAPPGTPRLRVLPRATGLTRTRPLEQKLISEEDLAANDILD YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KREMEN2 kringle containing transmembrane protein 2 [Homo sapiens (human)]
Official Symbol	KREMEN2
Synonyms	KREMEN2; kringle containing transmembrane protein 2; kremen protein 2; KRM2; MGC10791; dickkopf receptor 2; kringle domain-containing transmembrane protein 2; kringle-containing protein marking the eye and the nose; MGC16709;
Gene ID	79412
mRNA Refseq	NM_024507
Protein Refseq	NP_078783

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MIM	609899
UniProt ID	Q8NCW0
SDS-PAGE	

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