

Product datasheet for **MC216164**

Kremen2 (NM_028416) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kremen2 (NM_028416) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kremen2
Synonyms:	2900054E04Rik; Krm2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216164 representing NM_028416
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACACCACATCTGCAGGGCTTCTCTCTCTTCCATTGCTGCTGCGGCTGCACGGGGCTCAG
 CAGGGAGCCTGCACAGTCCAGGCCTGTCCGAATGCTTCCAGTGAACGGCGCTGACTACCGAGGCCACCA
 GAACTACACCGGCCACGCGGAGCTGGACGCCCTTGTCTTTTCTGGGACCAGACACAGCAGCACAGCTAC
 AGCAGCGCCAGCGACCCTCAGGGCCGCTGGGGGTTGGGTGCACATAAATTCTGTAGGAACCCAGACGGTG
 ATGTGCAGCCCTGGTGCTACGTGGCAGAGACAGAAGAGGGCATCTACTGGCGCTACTGTGATATCCCCAC
 ATGTCACATGCCTGGGTACCTGGGCTGCTTCGTGGACTCTGGGGCACCCCTGCTCTCAGTGGTCCCAGT
 GGCACCTCCACAAAGCTCACTGTCCAAGTGTGCCTTCGATTCTGCCGCATGAAGGGCTACCAGCTGGCTG
 GTGTGGAGGCTGGTTATGCCTGCTTCTGTGGCTCTGAAAGTGACCTGGCCCGGGACGTCCAGCCCCTGC
 CACCGACTGTGACCAGATCTGTTTTGGCCACCCAGGCCAGCTCTGTGGAGCGATGGACGACTAGGCATC
 TATGAAGTGTCTGTGGGCTCCTGCCAGGAAACTGGTCGGCTCCTCAAGGAGTCACTACTCCCCGATT
 TTCGGATGAGTATGGACCAGACCGAACTGCAGCTGGGTATTGGGCCAACTGGGCGCTGTGCTAGAACT
 CACCTTCCGCCTCTTCGAGTTGGCTGATTCCTCGAGACCGCTGGAGCTACGCGACGTCTCGTCCGGCAAC
 CTGCTCCGTGCCTTCGACGGCGCCATCCGCCGCTCCGGGACCCTGCGCTGCGCACTGCTGCGCTGC
 TGCTCACCTTCCGCAGCGACGCAAGAGGCCATGCTCAAGGCTTCGCGCTCACCTACCGGGGCTGCAGGA
 TACAGTGGAGGGCAGAGCATCTCCAGAGGATCAACTGAGAGTCTCGCAGGGGACCCCGATGGGGCTAAC
 GCGAGCTGCAGCCCCAAGCCCGGAGCTGCACAGGCTTCGATAGGTGCCGAGTCTTCTCCACCGTGACGG
 CCTTCTGTGCTGCTGCTGTTGCTCCTGTCCCTACTGCGTTTGTGCGTGCAGCGAGCTGTCTGCTGGC
 TCCAGGAAAAGGGTCTCTGGCCATGGGACCTTCCCGGGGCCCCGGGAGAAGCTGGGCTGTGTGGTACCGC
 CGGCCCGAGGGGTGGCCCTGCCCTGTCCCCAGGGGACTCTCAGGCTGAGGGTCTGCTGCGGGCTACC
 GTCCCCTGAGTGCTCCAGCCAGAGCTCCTTGCCTCGCTCGTCTGCTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_028416
- Insert Size:** 1386 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC120532](#), [AAI20533](#)

RefSeq Size: 1579 bp

RefSeq ORF: 1386 bp

Locus ID: 73016

UniProt ID: [Q8K1S7](#)

Cytogenetics: 17 A3.3

Gene Summary: Receptor for Dickkopf proteins. Cooperates with DKK1/2 to inhibit Wnt/beta-catenin signaling by promoting the endocytosis of Wnt receptors LRP5 and LRP6 (PubMed:12050670). 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 (PubMed:18505822). [UniProtKB/Swiss-Prot Function]