

## Product datasheet for **SC316322**

### **KREMEN1 (NM\_001039570) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KREMEN1 (NM\_001039570) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** KREMEN1  
**Synonyms:** ECTD13; KREMEN; KRM1  
**Mammalian Cell Selection:** None  
**Vector:** [pCMV6-XL5](#)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001039570 edited  
 ATGGCGCCGCCCAGCCGCCCGCCTCGCCCTGCTCTCCGCCGCGGCTCACGCTGGCGGCC  
 CGGCCCGCGCCTAGCCCCGGCCTCGGCCCGGACCCGAGTGTTTCACAGCCAATGGTGCG  
 GATTATAGGGGAACACAGAAGTGGACAGCACTACAAGGCGGGAAGCCATGTCTGTTTTGG  
 AACGAGACTTTCCAGCATCCATACAACACTCTGAAATACCCCAACGGGGAGGGGGCCTG  
 GGTGAGCACAATATTGCAGAAATCCAGATGGAGACGTGAGCCCTGGTGTATGTGGCA  
 GAGCAGGAGGATGGTGTCTACTGGAAGTACTGTGAGATACCTGCTTGCCAGATGCCTGGA  
 AACCTTGGCTGTACAAGGATCATGAAACCCACCTCCTCTAACTGGCACCAGTAAAACG  
 TCCAACAACTCACCATACAAATTTGCATCAGTTTTTGTGGAGTCAGAGTTCAAGTTT  
 GCTGGGATGGAGTCAGGCTATGCTTCTGTGAAACAATCCTGATTACTGGAAGTAC  
 GGGGAGGCAGCCAGTACCGAATGCAACAGCGTCTGCTTCGGGGATCACACCAACCCTGT  
 GGTGGCGATGGCAGGATCATCCTTTGATACTCTCGTGGCGCCTGCGGTGGAACTAC  
 TCAGCCATGTCTTCTGTGGTCTATTCCCCTGACTTCCCCGACACCTATGCCACGGGGAGG  
 GTCTGCTACTGGACCATCCGGGTTCCGGGGGCCTCCCACATCCACTTCAGCTTCCCCTA  
 TTTGACATCAGGGACTCGGCGGACATGGTGGAGCTTCTGGATGGCTACACCCACCGTGT  
 CTAGCCCGCTTCCACGGGAGGAGCCGCCACCTGTCTTCAACGTCTCTGACTTC  
 GTCATCTGTATTTCTTCTGTATCGCATCAATCAGGCCAGGGATTTGCTGTTTTATAC  
 CAAGCCGTCAAGGAAGAAGTCCACAGGAGAGGCCCGCTGTCAACCAGACGGTGGCCGAG  
 GTGATCACGGAGCAGGCCAACCTCAGTGTGACGCTGCCCGTCTCCTCAAAGTCTCTAT  
 GTCATCACCAACAGCCCCAGCCACCCACCTCAGACTGTCCAGGTAGCAATTCCTGGGCG  
 CCACCCATGGGGCTGGAAGCCACAGAGTTGAAGGATGGACAGTCTATGGTCTGGCAACT  
 CTCCTCATCCTCACAGTCACAGCATTGTAGCAAAGATACTTCTGCACGTACATTCAA  
 TCCCATCGTGTCTGCTTACAGGGACCTTAGGGATTGTCATCAACCAGGGACTTCGGGG  
 GAAATCTGGAGCATTTTTACAAGCCTTCCACTTCAATTTCCATCTTTAAGAAGAAACT  
 AAGGGTCAGAGTCAACAAGATGACCGCAATCCCCTTGTGAGTGACTAA



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_001039570 unedited</p> <pre>GGCATATATCTACACGACATCCATCTAGGGCGGCCGCTGAACTATCGGCACGAGCACTGG CGCCGCCAGCCGCCCGCCTCGCCCTGCTCTCCGCCCGGGCGCCTCACGCTGGCGGCCCGG CCCCGCCCTAGCCCCGGCCTCGGCCCGGACCCGAGCGTTTCACAGCCAATGGTGGCGAT TATAGGGGAACACAGAAGTGGACAGCACCACAAGCGGGAAGCCATGTCTGTTTTGGAAC GAGACTTCCAGCATCCATACAACACTCTGAAATACCCCAACGGGGAGGGGGCCTGGGT GAGCAACTATTGCAGAAATCCAGATGGAGACGTGAGCCCTGGTGTCTATGTGGCAGAG CACGAGGATGGTGTCTACTGGAAGTACTGTGAGATACCTGCTTGCCAGATGCCTGGAAC CTTGGCTGCTACAAGGATCATGGAACCCACCTCTCTAACTGGCACCAGTAAAACGTCC AACAACTCACCATACAACTTGCATCAGTTTTTGTGGAGTCAAGGTTCAAGTTTGTCT GGGATGGAGTCAAGGCTATGCTTGTCTGTGGAACAATCCTGATTACTGGAAGTACGGG GAGGCAGCCAGTACCGAATGCAACAGCGTCTGCTTCGGGGATCACACCAACCTGTGGT GGCGATGGCAGGATCATCTCTTTGATACTCTCGTGGGCGCCTGCGGTGGGAAGTACTCA GCCATGTCTTCTGTGGTCTATCCCTGACTTCCCGACACCTATGCCACGGGGAGGGTC TGCTACTGGACCATCCGGTTCCGGGGCCTCCACATCCACTTCAGTTCCCCCTATTT GACATCAGGACTCGGCGGACATGGTGGAGCTTCTGGATGGCTACACCCACCGTGTCTAG CCCGCTTACGGGAGAGCCGCCACCTCTGTCCTCAACGTCTCTGACTTCGTCTATCT TGTATTTCTTCTGATCGCATCAATCAGC</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;Forward primer walk for NM_001039570 unedited</p> <pre>GCACAGTAGAGCCCGCTGTACCCGACGGTGGCCGAGGTGATCACGGAGCAGGCCAACCTC AGTGTCAAGCGCTGCCCGTCTCCAAAGTCTCTATGTCATCACACCAGCCCCAGCCAC CCACCTCAGACTGTCCCAGGTAGCAATTCTGGGCGCCACCCATGGGGGCTGGAAGCCAC AGAGTTGAAGGATGGACAGTCTATGGTCTGGCAACTCTCCTCATCTCACAGTCACAGCC ATTGTAGCAAAGATACTTCTGCACGTACATTCAATCCCATCGTGTTCCTGCTTCAAGG GACCTTAGGGATTGTCATCAACCAGGGACTTCGGGGGAAATCTGGAGCATTTTTTACAAG CCTTCCACTTCAATTTCCATCTTTAAGAAGAACTCAAGGGTCAAGTCAACAAGATGAC CGCAATCCCCTTGTGAGTGACTAAAAACCCACTGTGCCAGGACTTGGAGTCCCTCTTT GAGCTCAAGGCTGCCGTGGTCAACCTCTCTGTGGTCTTCTCTGACAGACTCTTCCCCT CCTCTCCCTCTGCCTCGGCCTCTTCGGGAAACCCCTCCTCTACAGACTAGGAAGAGGCA CCCTGCTGCCAGGGCAGGCAGAGCCTGGATTCTCTGCTTCTCATCGATTGCACTTAGGAG AGAGACTCAAAGCCCTGGGGCCCGCCCTCTGTCATCTCTCTGATCTAGTACAGT GGGGGTGTGACAGAGTGGGCTGAGATGACAGAGTGGTCAATGGCTGGCAGGGCTCAGT ACATTCTAGATGGCTGTGAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT TATTTTTGTACACACAAATCAGTTTCTCTGATCTTTATGTCTTGAACAGGCCAGACA GGGAGAACTCTCAGTACTTCTGGGGAGTTG</pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001039570
<b>Insert Size:</b>	3000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.NA
<b>Components:</b>	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:** [NM\\_001039570.1](#), [NP\\_001034659.1](#)

**RefSeq Size:** 6166 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 83999

**UniProt ID:** [Q96MU8](#)

**Cytogenetics:** 22q12.1

**Protein Families:** Druggable Genome, Transmembrane

**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 is a component of a membrane complex that modulates canonical WNT signaling through lipoprotein receptor-related protein 6 (LRP6). It contains extracellular kringle, WSC, and CUB domains. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (3) differs in the 3' UTR and 3' coding region, compared to variant 2. The resulting isoform has a distinct C-terminus and is shorter than isoform 2.  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.