

Product datasheet for **SC322731**

KREMEN1 (NM_001039571) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KREMEN1 (NM_001039571) Human Untagged Clone
Tag:	Tag Free
Symbol:	KREMEN1
Synonyms:	FLJ31863; KREMEM1; KREMEN; kringle-coding gene marking the eye and the nose; kringle-containing transmembrane protein 1; kringle containing transmembrane protein 1; KRM1; OTTHUMP00000028977
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322731

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CGGACGCGTGGGCGCGCTGCCCCCTTTACCCCGGGCCGCGCCCCGGGGCCCCGCACTGAC
GGCCCATGGCGCCGCCGCCGCCCGCCCTCGCCCTGCTCTCCGCCGCGGCGCTCACGCTGG
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AAAAACCCCACTGTGCCTAGGACTTGAGGTCCCTCTTTGAGCTCAAGGCTGCCGTGGTCA
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GCTAAGACGGTGAAACCCGTCTCTACTAAAAATACAAAAAATTAGCTGGGTGTGGTGGT
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GGCGGAGCTTGCACTGAGCAGAGATCACGCCACTGCACTCCAGCCTGGGTGACAGTGCAA
GACTCTGTCTCAAAAAAAAAAAAAA

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Restriction Sites:

Please inquire

ACCN:

NM_001039571

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).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001039571.1, NP_001034660.1</u>
RefSeq Size:	6115 bp
RefSeq ORF:	1377 bp
Locus ID:	83999
Cytogenetics:	22q12.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) differs in the 3' UTR, uses an alternate terminal exon, and uses an alternate in-frame splice site in the 3' coding region, compared to variant 2. The resulting isoform (4) has a distinct C-terminus and is shorter than isoform 2.</p>