

Product datasheet for **RG219278**

KREMEN1 (NM_001039570) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KREMEN1 (NM_001039570) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KREMEN1
Synonyms:	ECTD13; KREMEN; KRM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219278 representing NM_001039570
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCCGCCAGCCGCCCGCTCGCCCTGCTCTCCGCCGCGGCGCTCACGCTGGCGGCCCGCCCGCCGCGC
 CTAGCCCCGCGCTCGGCCCGGACCCGAGTGTTCACAGCCAATGGTGGGATTATAGGGGAACACAGAA
 CTGGACAGCACTACAAGGCGGGAAGCCATGTCTGTTTTGGAACGAGACTTCCAGCATCCATACAACACT
 CTGAAATACCCCAACGGGGAGGGGGCCTGGGTGAGCACAATATTGCAGAAATCCAGATGGAGACGTGA
 GCCCTGGTGCTATGTGGCAGAGCAGGAGTGGTGTCTACTGGAAGTACTGTGAGATACCTGCTTGCCA
 GATGCCTGAAACCTTGCTGCTACAAGGATCATGAAACCCACCTCCTAACTGGCACCAGTAAACG
 TCCAACAACTCACCATACAAATTGCATCAGTTTTTGTGGAGTCAGAGTTCAAGTTTGTGGGATGG
 AGTCAGGCTATGCTTCTGTGGAAACAATCCTGATTACTGGAAGTACGGGGAGGCAGCCAGTACCGA
 ATGCAACAGCGTCTGCTTCGGGGATCACACCAACCCTGTGGTGGCGATGCCAGGATCATCTCTTTGAT
 ACTCTCGTGGGCGCTCGGGTGGAACTACTCAGCCATGTCTTCTGTGGTCTATTCCTGACTTCCCGG
 ACACCTATGCCACGGGGAGGGTCTGCTACTGGACCATCCGGGTTCCGGGGCCTCCACATCCACTTCAG
 CTTCCCTATTTGACATCAGGGACTCGGCGGACATGGTGGAGCTTCTGGATGGGTACACCCACCGTGT
 CTAGCCCGCTTCCACGGGAGGAGCCGCCACCTCTGCTTCAACGTCTCTCTGGACTTCGTCATCTTGT
 ATTTCTTCTGATCGCATCAATCAGGCCCAGGGATTTGCTGTTTTATACCAAGCCGTCAAGGAAGAACT
 GCCACAGGAGAGGCCCGCTGTCAACCAGACGGTGGCCGAGGTGATCACGGAGCAGCCAACTCAGTGT
 AGCGTGCCCGGTCTCCAAAGTCTCTATGTCATCACCACAGCCAGCCACCCACCTCAGACTGTCC
 CAGGTAGCAATTCCTGGGCGCCACCCATGGGGCTGGAAGCCACAGAGTTGAAGGATGGACAGTCTATGG
 TCTGGCAACTCTCTCATCCTCACAGTCACAGCCATTGTAGCAAAGATACTTCTGCACGTCACATTCAAA
 TCCCATCGTGTTCTGCTCAGGGGACCTTAGGGATTGTCATCAACCAGGACTTCGGGGAAATCTGGA
 GCATTTTTTACAAGCCTTCCACTTCAATTTCCATCTTTAAGAAGAACTCAAGGGTCAGAGTCAACAAGA
 TGACCGCAATCCCTTGTGAGTGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG219278 representing NM_001039570
 Red=Cloning site Green=Tags(s)

MAPPAARLALLSAAALTLAARPAPSPGLGPGPECFTANGADYRGTQNWALQGGKPCLFWNETFQHPYNT
 LKYPNGEGGLGEHNYCRNPDGDVSPWCYVAEHEDGVYWKYCEIPACQMPGNLGCYKDHGNPPLTGTSKT
 SNKLTIQTCISFCRSQRFKFAGMESGYACFCGNNPDYWKYGEAASTECNSVCFGDHTQPCGGDGRILFD
 TLVGCAGCGNYSAMSSVVYSPDFPDYATGRVCYWTIRVPGASHIHFSPPLFDIRDSADMVELLDGYTHRV
 LARFHGRSRPPLSFNVSLDFVILYFFSDRINQAQGFVLYQAVKEELPQERPAVNQTVAEVITEQANLSV
 SAARSSKVLVITTSPPHPTVPGSNSWAPPMGAGSHRVEGWTVYGLATLLILTVTAIVAKILLHVTFK
 SHRVPASGLDRDCHQPGTSGEIWSIFYKPSTISISIFKLLKQSQDDRNLVSD

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Reconstitution Method:	<ol style="list-style-type: none">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_001039570.1, NP_001034659.1</u>
RefSeq Size:	6166 bp
RefSeq ORF:	1377 bp
Locus ID:	83999
UniProt ID:	<u>Q96MU8</u>
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]