

Product datasheet for **MG224411**

Kera (NM_008438) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kera (NM_008438) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Kera
Synonyms: CNA2; SLRR2B
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224411 representing NM_008438
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAACCCAAACTGTTTAATACTCTGGGTGTTACTCATAGCAGATACTGTGTGGACACAGAGTGTGA
 GACAGGCCTATGAAATACAGGACCCAGAGGACTGGGATGTCCACGACGACTTCTATTGTCCCAGAGAATG
 CTTCTGCTCCAGTTTCCCTACTGCCTTATACTGTGAGAACAGAGGTCTCACAGAAATCCCTCTATT
 CCTTCAAGGATCTGGTACCTCTACCTGGAAAACAACCTGATTGAATCCATACCAGAGAAGCCCTTTGAGA
 ATGCCACCCAGCTGAGATGGATCAATTTAAACAAGAACAAAATAACCAACTACGGGATTGAGAAGGGGGC
 CCTGAGCCAGCTAAAGAACTTCTTTTCTGTTTCTTGAAGACAATGAGCTAGAGGAGGTACCTTCTCCA
 TTGCCAAGAAGTTTGAACAATTACAATTAGCTAGAAAACAAAGTATCCAGAATCCCTCAGGGGACCTTCA
 GTAATCTGAAAACTGACCTTCTTGTACTGCAGCATAACAACTATTAGACAACGCCCTTCAAAGAGA
 TACTTTCAAGGGCCTTAAGAACCCTATGCAGTTAAATATGGCGAAGAATGCCCTGAGGAACATGCCCCCA
 AGATTACCAGCCAACCCATGCAACTCTTCTAGACAACAACCTCCATTGAAGGAATACCTGAAAATTATT
 TCAATGTGATTCCTAAGGTGGCTTTCCTGAGGCTCAACCACAACAACCTATCAGATGCAGGTCTCCCGTC
 GAGGGGTTTTGATGTGTCATCCATTCTGGATCTCAACTGTCTTACAACCAGCTCACAACTTTCCCGGA
 ATCAATGCTAACCTGCAGCACCTTACCTTGATCACAACAAAATTAATAATGTGAACATGTCTGTAATAT
 GTCCCACCACTGCGTGCAGAACAGGATGCCTTCATTACGGACCACAACCTGAGCTACCTGCGTCTGGA
 TGGGAATGAAATCAAGCCACCGATCCCGATAGATTTGGTGGCTTCTTCAAGCTTCTCAGGCTTTCATA
 ATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224411 representing NM_008438
 Red=Cloning site Green=Tags(s)

MATPNCLILWLLIADTVWTQSVRQAYEIQDPEDVDVHDDFYCPRECFPPSFPTALYCENRGLTEIPPI
 PSRIWYLYLENNLIESIPEKPFENATQLRWINLNKNKITNYGIEKGALSQKLLFLFLEDNELEEVSP
 LPRSLEQLQLARNKVSRIPOGTF SNLENLTLDDLQHNKLLDNAFQRDTFKGLKNLMQLNMAKNALRNMP
 RLPANTMQLFLDNNNSIEGIPENYFNVIPKVAFLRLNHNKLS DAGLPSRFGDVSSILDQLSYNQLTNFPR
 INANLQHLHLDHNKIKNVNMSVICPTTLRAEQDAFIHGPQLSYLRD GNEIKPPIPIIDL VACFKLLQAFI
 I

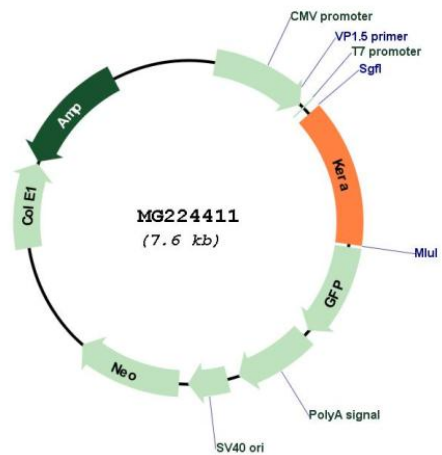
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008438

ORF Size:	1053 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<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:	NM_008438.3 , NP_032464.1
RefSeq Size:	1950 bp
RefSeq ORF:	1056 bp
Locus ID:	16545
UniProt ID:	Q35367
Cytogenetics:	10 50.34 cM
Gene Summary:	May be important in developing and maintaining corneal transparency and for the structure of the stromal matrix.[UniProtKB/Swiss-Prot Function]