OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR229135

Jkamp (NM_001205067) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jkamp (NM_001205067) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jkamp
Synonyms:	1200003C05Rik; 2310047L11Rik; Jamp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229135 representing NM_001205067 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCATGCCTTGGACTCTACTGTGGGAAGACCCTATTATTTAAAAATGGCTCAAGTGAAATCTATGGAG AATGTGGGGTATGCCCAAGAGGACAGAGGACCAATGCACAGAAGTACTGTCAGCCTTGCACAGAGTCCCC AGAACTTTACGACTGGCTCTATCTGGGCTTTATGGCTATGCTTCCTCTTGTTCTGCATTGGTTCTTCATT GAATGGTACTCGGGGAAAAAGAGCTCCAGTGCTCTTTTCCAGCACATCACCGCGCTCTTTGAATGCACCA TGGCAGCTATCATCACCTTACTCGTGAGTGATCCCGTGGGCGTCCTTTACATCCGTTCCTGCCGCGTTCT GATGCTTTCTGATTGGTACACGATGCTCTACAACCCAAGTCCAGATTACGTCACCACGGTGCACTGCACT CACGAAGCCGTCTACCCACTGTACACCATCGTGTTCGTTTATTACGCGTTCTGCTTGGTGTTAATGATGC TTCTGCGGCCTCTCCTGGTGAAGAAGATCGCATGCGGACTCGGCAAGTCTGACCGCTTCAAAAGTATTTA CGCAGCTCTTTACTTCTTCCCCATCCTGACCGTGCTGCAGGCGGTCGGTGGGGGCCTCTTATATTACGCC TTCCCGTACATTATATTAGTGTTATCTCTGGTTACCCTGGCTGTATACATGTCTGCTTCTGAAATAGAGA ACTGCTATGATCTCCTGGTCAGGAAGAAAAGACTTATCGTTCTCTTCAGCCACTGGCTACTGCACGCCTA TGGCATAGTCTCCATCTCCAGAGTGGACAGGCTGGAACACGACCTACCGCTTTTGGCTTTGGTACCTACA CCAGCTCTGTTTTACTTGTTTACTGCAAAATTTACCGAACCATCACGGATACTCTCAGAAGGGGCCAATG GACAT AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC TGGATTACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

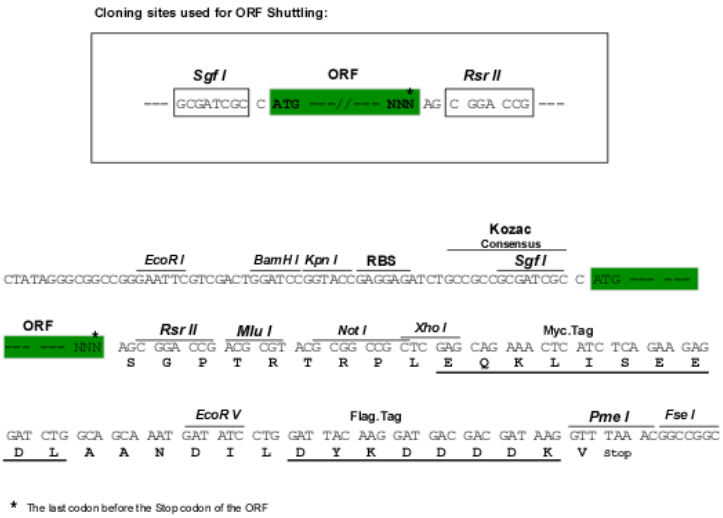
>MR229135 representing NM_001205067
Red=Cloning site Green=Tags(s)

MACLGLYCGKTLLFKNGSSEIYGECGVCPRGQRTNAQKYCQPCTESPELYDWLYLGFMAMLPLVLHWFFI
EWYSGKKSSSALFQHITALFECTMAAIITLLVSDPVGVLYIRSCRVLMLSDWYTMLYNPSPDYVTTVHCT
HEAVYPLYTIVFVYYAFCLVLMMLLRPLLVKKIACGLGKSDRFKSIYAALYFFPILTVLQAVGGGLLYYA
FPYIILVLSLVTLAVYMSASEIENCYDLLVRKKRLIVLFSHWLLHAYGIVSISRVDRLEHDLPLLALVPT
PALFYLFTAKFTEPSRILSEGANGH

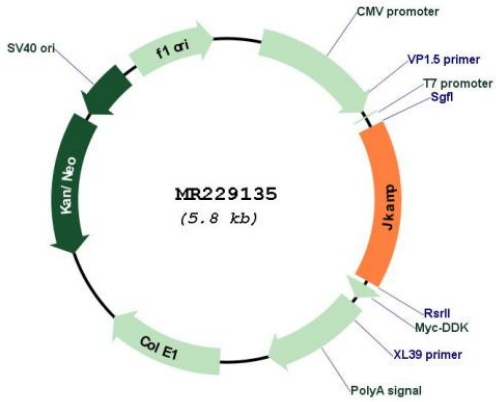
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001205067

ORF Size: 915 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:	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_001205067.1, NP_001191996.1
RefSeq Size:	1958 bp
RefSeq ORF:	918 bp
Locus ID:	104771
UniProt ID:	Q8BI36
Cytogenetics:	12 C3
MW:	35.1 kDa
Gene Summary:	May be a regulator of the duration of MAPK8 activity in response to various stress stimuli. Facilitates degradation of misfolded endoplasmic reticulum (ER) luminal proteins through the recruitment of components of the proteasome and endoplasmic reticulum-associated degradation (ERAD) system.[UniProtKB/Swiss-Prot Function]