

Product datasheet for RC203067

JKAMP (NM_016475) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JKAMP (NM_016475) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JKAMP
Synonyms:	C14orf100; C24orf100; CDA06; HSPC213; HSPC327; JAMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203067 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGTCGATATTCAACCAGCATGCCTTGGACTTTATTGTGGGAAGACCCTATTATTTAAAAATGGCT
CAACTGAAATATATGGAGAATGTGGGTATGCCAAGAGGACAGAGAACGAATGCACAGAAATATTGTCA
GCCTTGACAGAAATCTCCTGAACCTTATGATTGGCTCTATCTGGATTTATGGCAATGCTTCCTCTGGTT
TTACATTGGTTCTTCATTGAATGGTACTCGGGAAAAAGAGTCCAGCGCACTTTTCCAACACATCACTG
CATTATTTGAATGCAGCATGGCAGCTATTATCACCTTACTTGTGAGTGATCCAGTTGGTGTCTTTATAT
TCGTTTCATGTCGAGTATTGATGCTTTCTGACTGGTACACGATGCTTTACAACCCAAGTCCAGATTACGTT
ACCACAGTACACTGTAATCATGAAGCCGCTACCCACTATATAACATTGTATTTATCTATTACGCATTCT
GCTTGGTATTAATGATGCTGCTCCGACCTCTTCTGGTGAAGAAGATTGCATGTGGGTTAGGGAAATCTGA
TCGATTTAAAAGTATTTATGCTGCACCTTACTTCTTCCAATTTAAACCGTGTTCAGGCAGTTGGTGGG
GGCCTTTTATATTACGCCTTCCCATACATTATATTAGTGTATCTTTGGTTACTCTGGCTGTGTACATGT
CTGCTTCTGAAATAGAGAACTGCTATGATCTTCTGGTCAAGAAAGAAAGACTTATTGTTCTCTTCAGCCA
CTGGTTACTTTCATGCCTATGGAATAATCTCCATTTCCAGAGTGGATAAATTGAGCAAGATTTGCCCTT
TTGGCTTTGGTACCTACACCGCCCTTTTACTTGTCTACTGCAAAATTTACCGAACCTTCAAGGATAC
TCTCAGAAGGAGCCAATGGACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203067 protein sequence
Red=Cloning site Green=Tags(s)

MAVDIQPACLGLYCGKTL LFKNGSTEIYGECGVCPRGQRTNAQKYCQPCTESPELYDWLYLGFMAMLPLV
 LHWFFIEWYSGKKSSSALFQHITALFECSMAAIITLLVSDPVGVLVIRSCRVLMLSDWYTMLYNPSDYV
 TTVHCTHEAVYPLYTIVFIYYAFCLVLMMLLRPLLVKKIACGLGKSDRFKSIYAALYFFPILTVLQAVGG
 GLLYYAFPYIILVLSLVTLAVYMSASEIENCYDLLVRKKRLIVLFSHWLLHAYGIISISRVDKLEQDLPL
 LALVPTPALFYLF TAKFTEPSRILSEGANGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6569_a12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016475

ORF Size: 933 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_016475.5](#)

RefSeq Size: 2429 bp

RefSeq ORF: 936 bp

Locus ID: 51528

UniProt ID: [Q9P055](#)

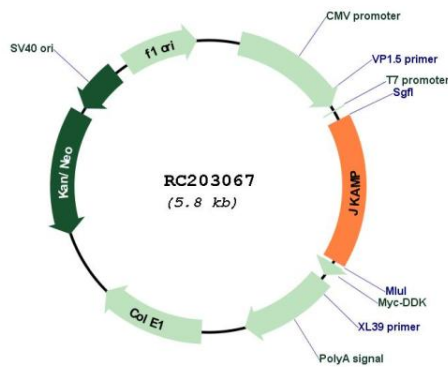
Cytogenetics: 14q23.1

Protein Families: Transmembrane

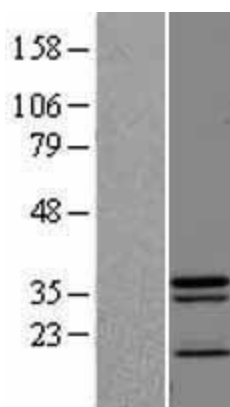
MW: 35.2 kDa

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC203067



Western blot validation of overexpression lysate (Cat# [LY413972]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203067 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).