

## Product datasheet for **RC236614**

### JKAMP (NM\_001284204) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JKAMP (NM_001284204) 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:	>RC236614 representing NM_001284204 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGTCGATATTCAACCAGCATGCCTTGGACTTTATTGTGGGAAGACCCTATTATTTAAAAATGGCT  
CAACTGAAATATATGGAGAATGTGGGTATGCCAAGAGGACAGAGAACGAATGCACAGAAATATTGTCA  
GCCTTGACAGAAATCTCCTGAACCTTATGATTGGCTCTATCTGGATTTATGGCAATGCTTCCTCTGGTT  
TTACATTGGTTCTTCATTGAATGGTACTCGGGAAAAAGAGTCCAGCGCACTTTTCCAACACATCACTG  
CATTATTTGAATGCAGCATGGCAGCTATTATCACCTTACTTGTGAGTGATCCAGTTGGTGTCTTTATAT  
TCGTTTCATGTCGAGTATTGATGCTTTCTGACTGGTACACGATGCTTTACAACCCAAGTCCAGATTACGTT  
ACCACAGTACACTGTAATCATGAAGCCGTCTACCACTATATAACATTGTATTTATCTATTACGCATTCT  
GCTTGGTATTAATGATGCTGCTCCGACCTCTTCTGGTGAAGAAGATTGCATGTGGGTTAGGGAAATCTGA  
TCGATTTAAAAGTATTTATGCTGCCTTACTTCTTCCAATTTAAACCGTGCTTCAGGCAGTTGGTGGAA  
GGCCTTTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236614 representing NM\_001284204  
 Red=Cloning site Green=Tags(s)

MAVDIQPAQLGLYCGKTL LFKNGSTEIYGECGVCPRGQRTNAQKYCQPCTESPELYDWLYLGFMAMLPLV  
 LHWFFIEWYSGKKSSSALFQHITALFECSMAAIIITLLVSDPVGVLYIRSCRVLMLSDWYTMLYNPSDYV  
 TTVHCTHEAVYPLYTIVFIYYAFCLVLMMLLRPLLVKKIACGLGKSDRFKSIYAALYFFPILTVLQAVGG  
 GLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001284204

**ORF Size:** 639 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\\_001284204.1](#), [NP\\_001271133.1](#)

**RefSeq Size:** 2352 bp

**RefSeq ORF:** 642 bp

**Locus ID:** 51528

**UniProt ID:** [Q9P055](#)

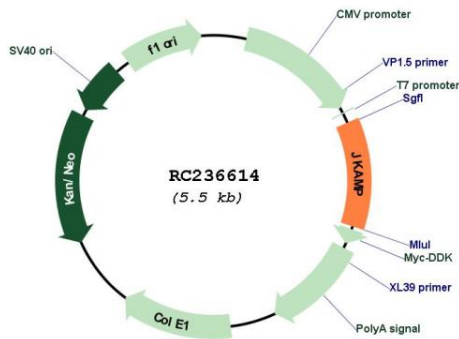
**Cytogenetics:** 14q23.1

**Protein Families:** Transmembrane

**MW:** 24.5 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 RC236614