

Product datasheet for **RC237450**

JKAMP (NM_001284201) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	JKAMP (NM_001284201) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JKAMP
Synonyms:	C14orf100; C24orf100; CDA06; HSPC213; HSPC327; JAMP
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237450 representing NM_001284201 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAAGGAGAAATTCACAGTCGCTTGGAGCCTGGGTTTTGCTTACTGTCGATATTCAACCAGCATGCC
TTGGACTTTATTGTGGGAAGACCCTATTATTTAAAAATGGCTCAACTGAAATATATGGAGAATGTGGGT
ATGCCAAGAGGACAGAGAACGAATGCACAGAAATATTGTCAGCCTTGACAGAAATCTCCTGAACCTTAT
GATTGGCTCTATCTTGGATTTATGGCAATGCTTCTCTGGTTTTACATTGGTTCTTCATTGAATGGTACT
CGGGGAAAAAGAGTTCACGCGCACTTTTCCAACACATCACTGCATTATTTGAATGCAGCATGGCAGCTAT
TATCACCTTACTTGTGAGTGATCCAGTTGGTGTCTTTATATTCTGTTTCATGTCGAGTATTGATGCTTTCT
GACTGGTACACGATGCTTTACAACCAAGTCCAGATTACGTTACCACAGTACACTGTACTCATGAAGCCG
TCTACCCACTATATACCATTGTATTTATCTATTACGCATTCTGCTTGGTATTAATGATGCTGCTCCGACC
TCTTCTGGTGAAGAAGATTGCATGTGGTTAGGGAAATCTGATCGATTTAAAAGTATTTATGCTGCCTT
TACTTCTCCCAATTTAAACCGTCTCAGGCAGTTGGTGGAGGCCTTTTATATTACGCCCTCCCATACA
TTATATTAGTGTATCTTTGGTTACTCTGGCTGTGTACATGCTGCTTCTGAAATAGAGAATGCTATGA
TCTTCTGGTCAGAAAGAAAAGACTTATTGTTCTCTCAGCCACTGGTACTTCATGCCTATGGAATAATC
TCCATTTCCAGAGTGGATAAACTTGAGCAAGATTTGCCCTTTTGGCTTTGGTACCTACACCAGCCCTTT
TTTACTTGTTCACTGCAAAATTTACCGAACCTCAAGGATACTCTCAGAAGGAGCCAATGGACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237450 representing NM_001284201
Red=Cloning site Green=Tags(s)

MKGEIQQLGAWVLLTVDIQACLGLYCGKTLFLKNGSTEIYGECGVCPRGQRTNAQKYCQPCTESPELY
 DWLYLGFMAMLPLVLHWFIEWYSGKKSSALFQHITALFECSMAAIITLLVSDPVGVL YIRSCRVLMLS
 DWYTMLYNPSPDYVTTVHCTHEAVYPLYTIVFIYAFCLVLMMLLRPLLVKKIACGLGKSDRFKSIYAAL
 YFFPILTVLQAVGGLLYYAFPYIILVLSLVTLAVYMSASEIENCYDLLVRKKRLIVLFSHWLLHAYGII
 SISRVDKLEQDLPLLLALVPTPALFYLFATAKFTEPSRILSEGANGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

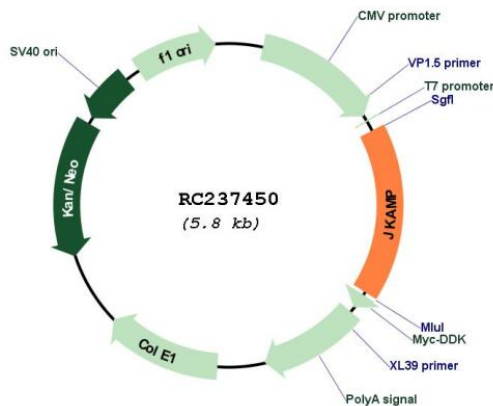
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284201

ORF Size: 975 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_001284201.1 , NP_001271130.1
RefSeq Size:	2952 bp
RefSeq ORF:	978 bp
Locus ID:	51528
UniProt ID:	Q9P055
Cytogenetics:	14q23.1
Protein Families:	Transmembrane
MW:	37.2 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]