

## Product datasheet for **SC114240**

### JKAMP (NM\_016475) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	JKAMP (NM_016475) Human Untagged Clone
Tag:	Tag Free
Symbol:	JKAMP
Synonyms:	C14orf100; C24orf100; CDA06; HSPC213; HSPC327; JAMP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_016475, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGTCGATATTCAACCAGCATGCCTTGGACTTTATTGTGGGAAGACCCCTATTATTTAAAAATGGCT
CAACTGAAATATATGGAGAATGTGGGGTATGCCCAAGAGGACAGAGAACGAATGCACAGAAATATTGTCA
GCCTTGACAGAAATCTCCTGAACTTTATGATTGGCTCTATCTTGGATTTATGGCAATGCTTCCTCTGGTT
TTACATTGGTTCTTCATTGAATGGTACTCGGGGAAAAAGAGTTCCAGCGCACTTTTCCAACACATCACTG
CATTATTTGAATGCAGCATGGCAGCTATTATCACCTTACTTGTGAGTGATCCAGTTGGTGTCTTTATAT
TCGTTTCATGTCGAGTATTGATGCTTTCTGACTGGTACACGATGCTTTACAACCCAAGTCCAGATTACGTT
ACCACAGTACACTGTACTCATGAAGCCGCTACCCACTATATACCATTGTATTTATCTATTACGCATTCT
GCTTGGTATTAATGATGCTGCTCCGACCTTTCTGGTGAAGAAGATTGCATGTGGGTTAGGGAAATCTGA
TCGATTTAAAAGTATTTATGCTGCACTTTACTTCTTCCCAATTTAAACCGTGCTTCAGGCAGTTGGTGGG
GGCCTTTTATATTACGCCTTCCCATACATTATATTAGTGTATCTTTGGTACTCTGGCTGTGTACATGT
CTGCTTCTGAAATAGAGAACTGCTATGATCTTCTGGTCAGAAAGAAAAGACTTATTGTTCTCTTCAGCCA
CTGGTTACTTCATGCCTATGGAATAATCTCCATTTCCAGAGTGGATAAATTGAGCAAGATTTGCCCTT
TTGGCTTGGTACCTACACCAGCCCTTTTACTTGTTCAGTCAAAAATTTACCGAACCTTCAAGGATAC
TCTCAGAAGGAGCCAATGGACTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016475 unedited  
 NAGGGACGGACCGCAATTCGGCACGAGGGGATGTTCCGGTGCAGTCTGCCAGCATCCGC  
 TGNATCTAGTTGCTCTCTACGAAAAAACCTTCAGGCGGCCCATGGCTGTCGATATTCAA  
 CCAGCATGCCTTGGACTTTATTGTGGGAAGACCCTATTATTTAAAAATGGCTCAACTGAA  
 ATATATGGAGAATGTGGGGTATGCCAAGAGGACAGAGAACGAATGCACAGAAATATTGT  
 CAGCCTTGCACAGAATCTCCTGAACTTTATGATTGGCTCTATCTTGGATTTATGGCAATG  
 CTTCCCTCGGTTTTACATTGGTTCTTCATTGAATGGTACTCGGGGAAAAAGAGTCCAGC  
 GCACTTTTCCAACACATCACTGCATTATTTGAATGCAGCATGGCAGCTATTATCACCTTA  
 CTTGTGAGTGATCCAGTTGGTGTCTTTATATTGTTTCATGTGCGAGTATTGATGCTTTCT  
 GACTGGTACACGATGCTTTACAACCCAAGTCCAGATTACGTTACCACAGTACACTGTACT  
 CATGAAGCCGTCTACCCACTATATACCATTGTATTTATCTATTACGCATTCTGCTTGGTA  
 TTAATGATGCTGCTCCGACCTCTTCTGGTGAAGAATATTGCATGTGGGTAGGGAAATCT  
 GATCGATTTAAAAGTATTTATGCTGCACCTTACTTCTCCCAATTTAAACCGTGTTCAT  
 GCAGTTGGTGGAGGCCTTTTATATTACGCCTTCCCATACATTATATTAGTGTATCTTTG  
 GTTACTCTGGCTGTGTACATGTCTGCTTCTGAATAGAGAACGCTATGATCTTCTGGTCAG  
 AAAGATAGACTTATTGTTCTCTTACCCTGGTACTTTCATGCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016475 unedited  
 GCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTGAATTTTATGTAGGTAAGCTTT  
 TTATTATTGTTTTCTTTACAGGAACAATAATCCAAACAAATCTTGAACCAATCTATAAAC  
 AGAAAACCTGTTATATAAATTATTATCTATTTTTGCAATACATCAAATACTGTATTGAT  
 GAAAATAAATAGATAACAAAAACAATATACATCATTTCTATGTTTGCTATCAGACCCCA  
 CAAGTATGTTTGTTTTACAATTCATTATAGGTGAAAAACAACTGAAACACAACAGGTA  
 CGTACAATTACGCCACTGTTAAAGACTGCAGATTACACGTGTTAAAGCTTTTCTTAATAA  
 AATGGGAACACATTGCTAGGTACACAGAAACATGATTTTGCCCTAAAGAACAGCTGAACT  
 GTTGAGAGAAGCAAGGGCTTCTAGCGGCCTTCCAGTGTAGCAGATAATATTACCCTGTG  
 TAACAGAGTATTACAGAGTTTTGCATTTTCCAAGTCTGTAAGTCTAACCATAAACAAAAC  
 AAAGACAAACCCAAACATTAAGATATACTGACAATCTTGTTCATATATGATAGAATAG  
 TTCTCATACACTGTTAAGATTGATTTACTTTTTTTATTAAGAGCACTTCTCAAGTTTTTA  
 CCATTTACATGTCTACACTCAGTGTCCATTGGCTCCTTCTGAGAGATCCTTGGACGTTT  
 GGTAATTTTGCAGTGAACAAGTAAAAAAGGCTGTTGTAGTACCAACCAAGGGGCAATT  
 CTGCTCAGTTATCCACTCTGAAATGGAATTATTCCTAAGCTGAAGAACCATTGCTGAGAA  
 AAAAAAGTCCTTCTTTGACANAATATAGCATTTTTTCTTTAAAAACAAACATGTCCCGCC  
 CAGTACAAGTAACCTTATTTAAGTTGGAAGGCGTTATAAGCCTCCCATCGCTAAACAGT  
 T

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016475

**Insert Size:**

1750 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_016475.2](#), [NP\\_057559.2](#)

**RefSeq Size:** 1692 bp

**RefSeq ORF:** 936 bp

**Locus ID:** 51528

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

**Cytogenetics:** 14q23.1

**Protein Families:** Transmembrane

**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]  
Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.