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Product datasheet for RR209166

Jak1 (NM_053466) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jak1 (NM_053466) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jak1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RR209166 representing NM_053466
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGTATCTAAATATAAAAGAGGACTGCAATGCCATGGCTTTCTGTGCTAAAATGAGGAGCTTCAAGA
AGACGGAGGTGAAGCAGGTGGCCCCTGAGCCAGGAGTGGAAGTGACTTTCTATCTGTTGGACAGGGAGCC
CCTCCGCCTGGGCAGCGGAGAGTACACCGCGGAGGAGCTGTGCATCAGGGCCGCACAGGAATGCAGTATC
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ACTTTCCCAGCCTGAGAGACCTCATGAACCACCTCAAGAAGCAGATCCTGCGCACGGACAATATAAGCTT

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TGTGCTGAAACGCTGCTGTCAGCCTAAGCCTCGAGAAATCTCCAACCTACTTGTAGCCACTAAGAAAGCC
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Protein Sequence:

>RR209166 representing NM_053466
Red=Cloning site Green=Tags(s)

MQYLNIKEDCNAMAFCAKMRSFKKTEVKQVAPEPGVEVTFYLLDREPLRLGSGEYTAEELCIRAAQECSI
SPLCHNLFALYDESTKLWYAPNHIITVDDKMSLRLHYRMRFYFTNWHGTNDNEQSVWRHSPKKQKNGYEK
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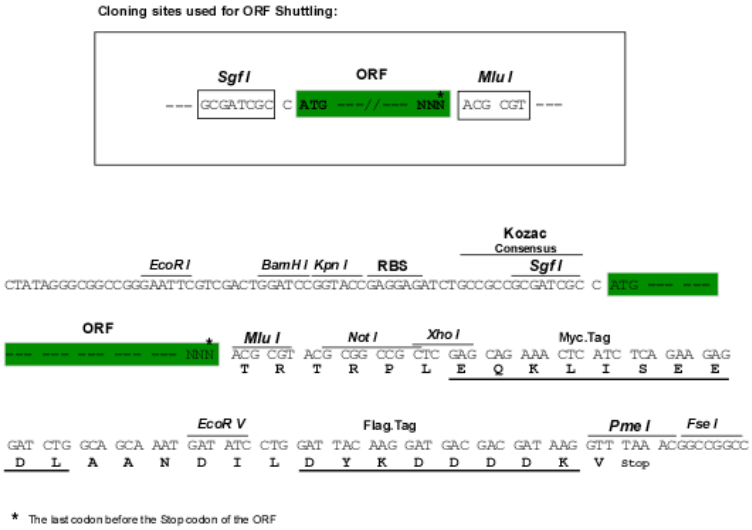
Restriction Sites: SgfI-MluI

Cloning Scheme:



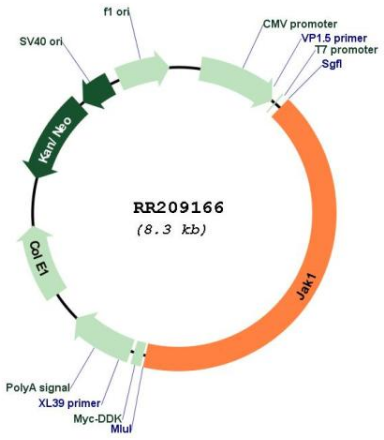
ACCN: NM_053466

ORF Size: 3459 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_053466.1, NP_445918.1
RefSeq Size:	4291 bp
RefSeq ORF:	3462 bp
Locus ID:	84598
Cytogenetics:	5q33
MW:	133.3 kDa
Gene Summary:	protein-tyrosine kinases; involved in intracellular signal transduction [RGD, Feb 2006]

Product images:



Circular map for RR209166