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Product datasheet for RR217554

Stag2 (NM_001173507) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stag2 (NM_001173507) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stag2
Synonyms:	RGD1562042
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217554 representing NM_001173507 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATAGCAGCTCCAGAAATACCAACTGATTTTAATCTACTGCAGGAGTCAGAAACACATTTTTCTTCTG ACACAGATTTTGAAGACATTGAAGGAAAAAATCAGAAGCAAGGCAAAGGCAAAACTTGTAAAAAAGGCAA GAAGGGTCCAGCAGAGAAGGGTAAAAGTGGAAATGGAGGAGGAAAACCTCCTTCTGGTCCAAACCGAATG AATGGTCATCATCAGCAGAATGGAGTTGAAAACATGATGTTGTTTGAAGTTGTAAAAATGGGCAAGAGTG CTATGCAGTCGGTGGTAGATGATTGGATAGAATCATACAAGCATGACCGAGATATAGCACTTCTTGACCT TATCAACTTTTTTATTCAGTGTTCAGGCTGCAAAGGAGTCGTCACAGCAGAGATGTTTAGACATATGCAG AACTCTGAGATAATTCGAAAAATGACAGAAGAATTCGACGAGGATAGTGGGGATTACCCACTAACCATGG CTGGTCCTCAGTGGAAGAAGTTCAAGTCCAGCTTCTGTGAGTTCATTGGTGTATTAGTACGGCAATGTCA ATATAGTATCATATATGATGAGTACATGATGGACACTGTCATTTCACTTCTTACTGGATTGTCTGACTCC CAAGTCAGAGCATTTCGACATACAAGCACCCTGGCAGCTATGAAGTTGATGACTGCTTTGGTAAATGTGG CACTAAATCTTAGCATTAATATGGATAACACACAAAGACAGTATGAGGCAGAACGGAATAAAATGATTGG AAAACGAGCCAATGAAAGGCTAGAACTCCTGTTACAAAAGCGTAAAGAGCTTCAGGAAAATCAAGATGAA ATAGAAAATATGATGAATGCAATATTTAAAGGAGTGTTTGTACATAGATACAGGGATGCAATAGCTGAAA TCAGAGCTATATGCATTGAAGAGATTGGCATTTGGATGAAGATGTATAGTGATGCCTTCCTTAATGACAG CTATTTAAAATATGTTGGTTGGACTATGCATGATAAGCAAGGTGAGGTAAGACTCAAGTGTCTTACTGCT TTACAAGGGCTTTACTATAACAAAGAGCTTAACTCCAAACTGGAACTGTTTACCAGTCGGTTCAAGGATA GAATTGTGTCTATGACCCTTGACAAAGAATATGATGTTGCAGTACAAGCAATAAAGTTACTCACTCTTGT TTTACAGAGTAGTGAAGAAGTTCTAACTGCAGAAGACTGTGAAAATGTCTATCATCTGGTTTATTCAGCT CACCGGCCAGTAGCAGTTGCAGCTGGAGAATTTCTCTACAAAAAGCTCTTCAGCCGTAGAGATCCAGAAG AGGATGGAATAATGAAAAGAAGGGGAAGACAAGGTCCAAATGCCAATCTTGTCAAGACTTTGGTGTTTTT CTTCTTGGAAAGTGAGTTACATGAACATGCAGCATACCTTGTGGATAGCATGTGGGATTGTGCTACTGAG CTACTGAAAGACTGGGAATGTATGAATAGCTTGTTATTAGAGGAGCCTCTCAGTGGAGAGGAAGCTCTAA

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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR217554 representing NM_001173507
Red=Cloning site Green=Tags(s)

MIAAPEIPTDFNLLQESETHFSSDTDFEDIEGKNQKQGKGKTCKKGKKGPAEKGKSGNGGGKPPSGPNRM
NGHHQQNGVENMMLFEVVKMGKSAMQSVVDDWIESYKHDRDIALLDLINFFIQCSGCKGVVTAEMFRHMQ
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QVRAFRHTSTLAAMKLMTALVNVALNLSINMDNTQRQYEAERNKMIGKRANERLELLLQKRKELQENQDE
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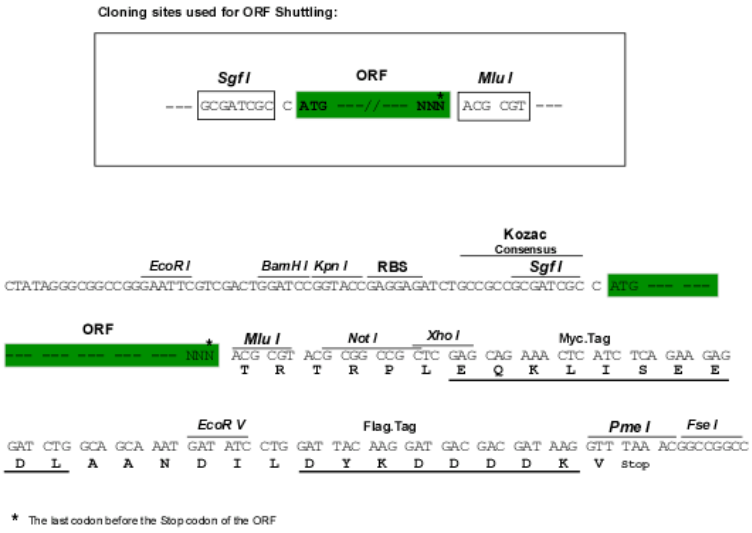
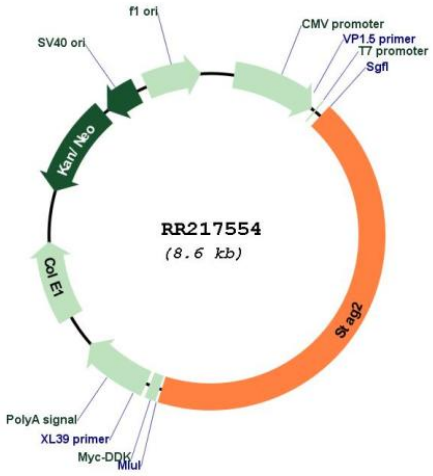
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001173507
ORF Size:	3693 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_001173507.1, NP_001166978.1
RefSeq Size:	6122 bp
RefSeq ORF:	3696 bp
Locus ID:	313304
Cytogenetics:	Xq35
MW:	141.3 kDa