

Product datasheet for **RR202864**

Napsa (NM_031670) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Napsa (NM_031670) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Napsa
Synonyms:	Kdap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202864 representing NM_031670 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTGCCACCACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGGGAATTTGGAGCCTGCGGCCACAC
TGATCCGAGTCCCTCTTCGCCGAATCCACCTGGACACAGGATCTTCAGCCACTGTATGGATGGGAACA
GAGAGCAGAGCTTTCTAGGACCCACCTCCGGCGGCAAGACCGCTTTGTGCTCTATCCAAGTTCATG
AACACCCAGTATTTGGAGACATTGGTTTGGGAACGCCTCCTCAGAATTCACAGTTGTCTTTGACACGG
GTCTTCCAACCTGTGGTTCCATCCACGAGATGTCATTTCTCAGTTTGGCCTGCTGGTCCACCATCG
TTTTAATCCCAAGGCCTCCAGCTCCTTTCCGCCCAATGGGACCAAGTTTGCATTGAGTATGGGACCGGG
CGGCTGAGTGGAAATCCTGAGCCGGGATAATCTGACTATCGGCGGTATCCACAATGTTTCTGTGACCTTTG
GAGAGGCTCTGTGGGAGCCAGCCTGGTCTTTGCTTTGGCCCGCTTTGATGGGATCCTGGGCTCGGCTT
CCCCACTCTGGCTGTGGGAGGAGTTCAGCCTCCACTGGACGCACTGGTGGAGCAGCAGTCTGGAGAAA
CCCGTCTTCTCCTTTACCTCAACAGGGATTCTGAAGGGTCTGATGGGGGAGAGCTGGTCTGGGGGCT
CGGACCCGGATCACTACGTACCTCCCCTCACCTTTCATTCCAGTACCATCCCTGCCTATGGCAGGTCCA
CATGCAGAGTGTGAAGTTGGCACGGGGCTGAATCTCTGCGCCAGGGCTGTGGTCCATCCTAGACACA
GGCACATCCCTCATCACGGGACCAAGTGGAGAGATCCGGGCTTGAATAAGGCCGTTGGGGGATTTCCC
TCCTGACCGGGCAGTACCTCATTGAGTGTTCAGATCCAGAGCTCCCACTGTCTCCTCTCCTCGG
TGGAGTCTGGTTAACCTCACAGGTCAGGACTATGTCATCAAGATTCTTCAGAGTGTGGCCTCTGC
CTGTTGGGCTTCAAGCCTTGGACATCCCAAGCCTGAAGGACCCCTTTGGATCCTCGGGGACGTCTTTT
TGGGGTCTATGTGGCCGCTTTGACCGAGGGGACAAAACATCGGCCCGCGCTGGGACTGGCCGCTGC
TCGGTCTCGTGCAACAGGACGGGCAGAAAGAAAGGCTACGCAAGCGCAGTTCTCAGAAGACGCCCTGGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202864 representing NM_031670
 Red=Cloning site Green=Tags(s)

MLPPPLLLLLLCLVLLGNLEPAATLIRVPLRRIHPGHRIFSPLYGWEQRAELSRTPSTGGKTAfVPLSKFM
 NTQYFGDIGLGTTPPNFTVVFDTGSSNLWVPSTRCHFFSLACWFHHRFNPKASSSFRPNGTKFAIQYGTG
 RLSGILSRDNL TIGGIHNVSVTFGEALWEPSLVFALARFDGILGLGFPTLAVGGVQPPLDALVEQRLEK
 PVFSFYLNRDSEGSDDGELVLGGSDPDHYVPPLTFIPVTIPAYWQVHMQSVMKVTGLNLCAQCGGAILDT
 GTSLITGPSEEIRALNKAVGGFPLLTGQYLIQCSKIPELPTVSFSLGGVWFNLTGQDYVIKILQSDVGLC
 LLGFQALDIPKPEGPLWILGDVFLGSYVAVFDRGDKNIGPRVGLARARSRATGRAERKATQAQFLRRRPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

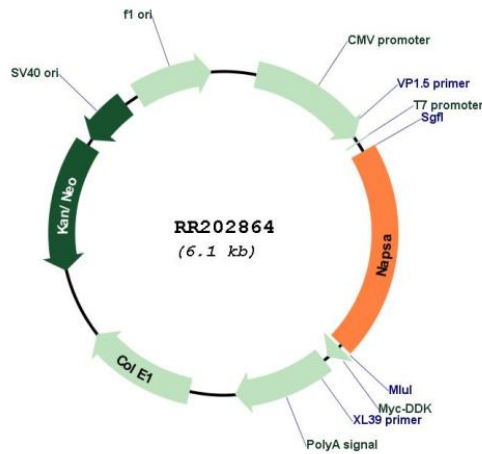
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_031670

ORF Size:	1260 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_031670.2 , NP_113858.1
RefSeq Size:	1434 bp
RefSeq ORF:	1263 bp
Locus ID:	60575
Cytogenetics:	1q22
MW:	45.6 kDa
Gene Summary:	putative endopeptidase; activity is inhibited by pepstatin [RGD, Feb 2006]