

Product datasheet for **RR205405**

Npas4 (NM_153626) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npas4 (NM_153626) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npas4
Synonyms:	Nxf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR205405 representing NM_153626
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTACCGATCCACCAAGGGCGCCTCCAAGGGCGGCCGACCAGATCAACGCCGAGATTCGGAACCTCA
 AGGAACTGCTGCCGTTGGCTGAAGCGGACAAGGTCGGCTGTCTACCTGCACATCATGAGTCTTGCCCTG
 CATCTACACTCGCAAGGGTGTCTTCTTTGCTGGAGGCACTCCTTTGGCTGGCCCCACGGGCTTCTCTCT
 GCTCAAGAGCTTGAAGACATAGTGGCAGCACTACCTGGATTTCTACTTGTGTTTACAGCTGAGGGGAAGT
 TGCTATACCTGTCGGAGAGTGTGAGCGAGCATCTGGCCATTCTATGGTGGATCTGGTTGCCAGGGTGA
 CAGTATTTACGACATCATTGACCCTGCTGACCATCTCACTGTGCCAGCAGCTCACCATGCCCTCTGCT
 CTGGATGCTGATCGCCTTTCCGTTGTCGATTTAACACATCCAAGTCCCTCCGGCCAGAGTGCAGGCA
 ACAAAGTGGTGTATTTCGAGGTCGATTCCATGCTCACCCACTGGGGCCTACTGGGCAGAAACCCCGT
 GTTCACAGCTTTCTGTGCCCACTGGAGCCAAGACCCCGTCCCGCCCTGGCCCTGGCCCTGGCCCTGGT
 CCTGCCTCTCTTCTGTCGCATGTTCCAGAGCCGGCATGCTAAGGACCTAGCCCTACTGGACATTTCTG
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 CCCCAGGACCTGGCCCACGCTTCTTCTCAACTACCGCCTGTTGGCTGAAAATGGAGATATTCAGGCT
 GAAATGGTGGTGAGACTTCAAGCCAAGCATGGAGGCTGGACATGGATTTACTGCATGCTATACTCGGATG
 GTCCAGAAGGCCCTATTACTGCCAATAACTACCCTATCAGTGACACGGAAGCCTGGAGTCTTCGCCAGCA
 GCTAAACTCTGAAAACACCCAGGCAGCCTATGTCCTAGGAACCCAGCTGTGCTACCCTCATTCTCTGAG
 AATGTCTTCTCCAGGAGCACTGCTCTAATCCACTCTTTACACCAGCCCTGGGGACTCCTAGAAGTGCCA
 GCTTCCCAGGGCCCTGAACTAGGTGTGATCTCAACATCAGAAGAGCTTGCCCAACCTCCAAAGAACT
 GGACTTCAGTTACCTGCCATTCCCTGCAAGGCCCTGAGCCTTCCCTCCAAGCAGACTTGAGCAAGGATTTG
 GTGTGACTCCACCTTACACACCCACCAGCCAGGAGGCTGCGCCTTCTCTTACGCTCCTGAACCTT
 TCCAGACTCACTTGCCCCCTCCATCCAGCTCTCTCCAAGAACAGCTGACGCCAAGCACGGTGACTTTCTC
 TGAACAGTTGACACCAAGCAGTGCAACCTTCCAGATCCACTAACAGTTCACTACAAGGACAGTTGACT
 GAAAGCTCAGCCAGAAGCTTTGAAGAACAATTGACTCCGTGCACCTCTACCTTCCCTGACCAGCTGCTTC
 CCAGCACTGCCACGTTCCAGAACCTCTGGGTAGCCCCACCCATGAGCAGCTGACTCCTCCAGCACAGC
 ATTCGAAGCACATCTGAACAGTCTAGCCAAACCTTCCAGAGCAACTGAGCCCTAATCCTACCAAGACT
 TACTTCGCCCAGGAGGGATGCAGTTTTCTCTATGAGAAGTTGCCCAAGTCTAGCAGCCCTGGTAATG
 GGGACTGTACACTCTTGCCCTAGCTCAACTCCGGGGTCCCCTCTCTGTGGACGTCCCCCTGGTGCCTGA
 AGGCTGCTCACACCTGAGGCCTCTCCAGTCAAGCAAAGTTTCTTCCACTATACAGAGAAAGAGCAGAAT
 GAGATAGATCGTCTCATCCAGCAGATCAGCCAGTTGGCTCAGGGCATGGACAGGCCCTTCTCAGCTGAGG
 CTGGCACTGGGGGGCTGGAGCCACTTGGAGGGCTGGAGCCCTGAACCCCAACCTGTCCCTGTCAGGGGC
 TGGACCCCTGTGCTTAGCCTGGATCTTAAACCTGGAATGCCAGGAGCTGGACTTCTTGGTTGACCTT
 GATAATTTATTCCTGGAAGAGACGCCAGTGAAGACATCTTATGGATCTTTCTACTCCAGACCCCAATG
 GGGAAATGGGGTTCAGGGGATCCTGAGGCAGAGGTCAGGAGGGACCCTGTCACCTTGAACAACCTGTC
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 TTCCCCTATGAAGGGTTTGCTGATGAGTTGCATCAACTCCAGAGCCAAGTTCAAGACAGCTTCCATGAAG
 ATGGAAGTGGAGGGGAACCAACGTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205405 representing NM_153626
 Red=Cloning site Green=Tags(s)

MYRSTKGASKARRDQINAEIRNLKELLPLAEADKVRLSYLHIMSLACIYTRKGVFFAGGTPLAGPTGLLS
 AQELEDIVAALPGFLLVFTAEGKLLYLSSESVSEHLGHSMVDLVAQGDSIYDIIDPADHLTVRQQLTMP
 LDADRLFRCRFNTSKSLRRQSAGNKLVLIRGRFHAHPPGAYWAGNPVFTAFCAPLEPRPRPGPGPGPG
 PASLFLAMFQSRHAKDLALLDISESVLIYLGFERSELLCKSWYGLLHPEDLAHASSQHYRLLAENGD
 IQAEMVVRQLQAKHGGWTWIYCMLYSDGPEGPIITANNYPI SDTEAWSLRQQLNSENTQAAYVLGTPAVLPSFSE
 NVFSQEHCNPLFTPALGTPRSASFPRAPELGVI STSEELAQPSKELDFSYLPFPARPEPSLQADLSKDL
 VCTPPYTPHQPGGCAFLFSLHEPFQTHLPPSSSLQEQLTPSTVTFSEQLTPSSATFPDPLTSSLQGQLT
 ESSARSFEEQLTPCTSTFPDQLLPSTATFPEPLGSPTHEQLTPPSTAFQAHLNPSQTFPEQLSPNPTKT
 YFAQEGCSFLYEKLPPSPSPGNGDCTLLALAQLRGPLSVDVPLVPEGLLTPEASPVKQSFHYTEKEQN
 EIDRLIQQISQLAQGMDRPFSAEAGTGGLLEPLGGLEPLNPNL SL SGAGPPVLSLDLKPWKQELDFL VDP
 DNL FLEETPVEDI FMDLSTDPNGEWGSGDPEAEVPGGTLSPCNNLSPEDHSFLEDLATYETAFETGVST
 FPYEGFADELHQLQSQVQDSFHEDGSGGEPTF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_153626

ORF Size: 2406 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_153626.1](#), [NP_705890.1](#)

RefSeq Size: 2460 bp

RefSeq ORF: 2409 bp

Locus ID: 266734

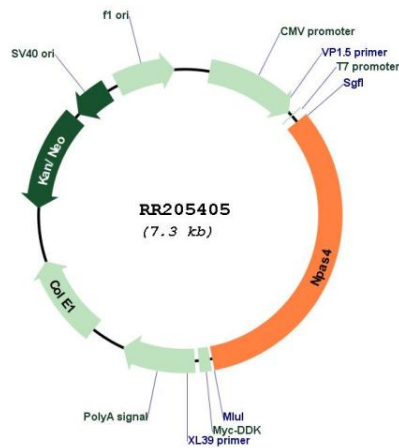
UniProt ID: [Q8CJH6](#)

Cytogenetics: 1q43

MW: 87.3 kDa

Gene Summary: may act as a transcription factor [RGD, Feb 2006]

Product images:



Circular map for RR205405