

Product datasheet for **RR203820**

Nras (NM_080766) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nras (NM_080766) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nras
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR203820 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGAGTACAACTGGTGGTGGTTGGAGCAGGTGGCGTTGGGAAAAGTGCTTTGACAATCCAGCTAA
TCCAGAACCACCTTTGTGGATGAATATGATCCCACCATAGAGGATTCTTACCGAAAACAAGTGGTGATTGA
CGGTGAGACCTGTCTACTGGACATACTGGACACAGCTGGACAAGAGGAGTACAGTGCCATGAGAGACCAA
TACATGAGGACAGGCGAAGGGTTCCTCTGTGTGTTGCCATCAATAATAGCAAATCCTTTGCAGATATTA
ACCTCTACAGGGAGCAAATTAAGCGCGTGAAAGACTCTGATGATGTACCCATGGTGGTACGGGAACAA
GTGTGACTTGCCAACAAGGACAGTTGACACAAAGCAAGCCACGAGCTGGCCAAGAGTTATGGAATTCCA
TTCATTGAAACCTCAGCCAAGACCCGACAGGGTGTGGAGGATGCCTTTTACACGCTTGTAAAGGGAGATAC
GCCAGTACCGGATGAAGAAGCTCAACAGCAGTGAGGATGGCACTCAAGGCTGTATGGGGCTGCCCTGTGT
GGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203820 protein sequence
Red=Cloning site Green=Tags(s)

MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDITAGQEEYSAMRDQ
YMRTEGFLCVFAINNSKSFADINLYREQIKRVKDSDDVPMVLVGNKCDLPTRTVDTKQAHELAKSYGIP
FIETSAKTRQGVDAFYTLVREIRQYRMKKLNSSEDGTQGCMLPCVVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_080766

ORF Size: 567 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_080766.2](#), [NP_542944.1](#)

RefSeq Size: 1326 bp

RefSeq ORF: 570 bp

Locus ID: 24605

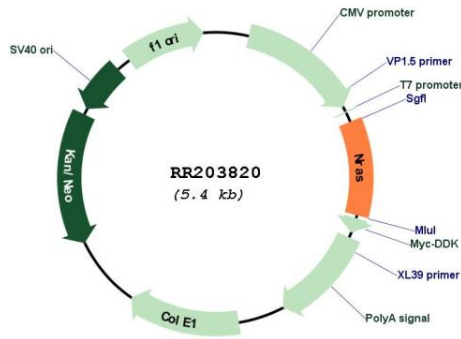
UniProt ID: [Q04970](#)

Cytogenetics: 2q34

MW: 21.2 kDa

Gene Summary: a GTPase; involved in GTPase mediated signal transduction, may play a role in collagen-induced arthritis in rats [RGD, Feb 2006]

Product images:



Circular map for RR203820