

Product datasheet for **RR215988**

Hras (NM_001130441) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hras (NM_001130441) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hras
Synonyms: c-H-ras; HRAS1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215988 representing NM_001130441
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGAATACAAGCTTGTGGTGGTGGGCGCTGGAGGCGTGGGAAAGAGTGCCTGACCATCCAGCTGA
TCCAGAACCATTTGTGGACGAGTATGATCCACTATAGAGGACTCTACCGAAACAGGTAGTCATTGA
TGGGGAGACGTGTTACTGGACATCTTAGACACAGCAGGTCAAGAAGAGTATAGTGCCATCGGGACCAG
TACATGCCACAGGGGAGGGCTTCTCTGTGATTTGCCATCAACAACACCAAGTCTTTGAAGACATCC
ATCAGTACAGGGAGCAGATCAAGCGGGTAAAGATTGAGATGATGTCCAATGGTCTGGTGGGCAACA
GTGTGACCTGGCCGCTCGCACTGTTGAGTCTCGGCAGGCCAGGACCTTGCTCGCAGCTATGGCATCCCC
TACATTGAAACATCAGCCAAGACCCGGCAGGGTGTGGAGGATGCCTTCTACACACTAGTACGTGAGATTC
GGCAGCATAAACTGCGGAAACTGAACCCGCTGATGAGAGTGGCCCTGGCTGCATGAGCTGCAAGTGTGT
GCTGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215988 representing NM_001130441
Red=Cloning site Green=Tags(s)

MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDITAGQEEYSAMRDQ
YMRTGEGFLCVFAINNTKSFEDIHQYREQIKRVKSDDDVPMVLVGNKCDLAARTVESRQAQDLARSYGIP
YIETSAKTRQGVEDAFYTLVREIRQHKLRKLNPPDESGPGCMSCCVLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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_001130441.1](#), [NP_001123913.1](#)

RefSeq Size: 1246 bp

RefSeq ORF: 570 bp

Locus ID: 293621

UniProt ID: [P20171](#)

Cytogenetics: 1q41

MW: 21.3 kDa

Gene Summary: mutated in rats exposed to the carcinogen 2-amino-1-methyl-6phenylimidazo[4;5-b]pyridine (PhiP); may be involved in the pathogenesis of chemically induced mammary tumors [RGD, Feb 2006]