

Product datasheet for **MC208704**

Hras (NM_001130443) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hras (NM_001130443) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hras
Synonyms: c-H-ras; c-Ha-ras; c-rasHa; H-ras; Ha-ras; Harvey-ras; Hras-1; Hras1; Kras2; ras
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208704 representing NM_001130443
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGAATACAAGCTTGTGGTGGTGGGCGCTGGAGGCGTGGGAAAGAGTGCCTGACCATCCAGCTGA
TCCAGAACCACCTTGTGGACGAGTATGATCCCACTATAGAGGACTCTACCGAAACAGGTGGTCATTGA
TGGGGAGACATGTCTACTGGACATCTTAGACACAGCAGGTCAAGAAGAGTATAGTGCCATGCGGGACCAG
TACATGCGCACAGGGGAGGGCTTCTCTGTGTATTGCCATCAACAACACCAAGTCTTCGAGGACATCC
ATCAGTACAGGGAGCAGATCAAGCGGGTAAAGATTAGATGATGTCCAATGGTCTGGTGGGCAACAA
GTGTGACCTGGCTGCTCGCACTGTTGAGTCTCGGCAGGCCAGGACCTTGCTCGCAGCTATGGCATCCCC
TACATTGAAACATCAGCCAAGACCCGGCAGGGCGTGGAGGATGCCTTCTATACACTAGTCCGTGAGATTC
GGCAGCATAAATTGCGGAAACTGAACCCACCCGATGAGAGTGGTCTGGCTGCATGAGCTGCAAATGTGT
GCTGTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130443
Insert Size: 570 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>NM_001130443.1, NP_001123915.1</u>
RefSeq Size:	2190 bp
RefSeq ORF:	570 bp
Locus ID:	15461
UniProt ID:	<u>Q61411</u>
Cytogenetics:	7 86.48 cM
Gene Summary:	<p>Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 3' UTR, compared to variant 1, and encodes isoform 1. Isoform 1 is also known as p21. Variants 1 and 3 encode the same protein.</p>