

Product datasheet for **MC208706**

Hras (NM_008284) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hras (NM_008284) 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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208706 representing NM_008284 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGACAGAATACAAGCTTGTGGTGGTGGGCGCTGGAGGCGTGGGAAAGAGTGCCCTGACCATCCAGCTGA
TCCAGAACCCTTTGTGGACGAGTATGATCCCCTATAGAGGACTCTACCGAAACAGGTGGTCATTGA
TGGGGAGACATGTCTACTGGACATCTTAGACACAGCAGGTCAAGAAGAGTATAGTGCCATGCGGGACCAG
TACATGCGCACAGGGGAGGGCTTCTCTGTGTATTTGCCATCAACAACACCAAGTCCTTCGAGGACATCC
ATCAGTACAGGGAGCAGATCAAGCGGGTCAAAGATTGAGATGATGTCCAATGGTCTGGTGGGCAACAA
GTGTGACCTGGCTGCTCGCACTGTTGAGTCTCGGCAGGCCAGGACCTTGCTCGCAGCTATGGCATCCCC
TACATTGAAACATCAGCCAAGACCCGGCAGGGCGTGGAGGATGCCTTCTATACACTAGTCCGTGAGATTC
GGCAGCATAAAATTGCGGAAACTGAACCCACCCGATGAGAGTGGTCTGGCTGCATGAGCTGCAAATGTGT
GCTGTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_008284
Insert Size:	570 bp



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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).
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_008284.2</u> , <u>NP_032310.2</u>
RefSeq Size:	2043 bp
RefSeq ORF:	570 bp
Locus ID:	15461
UniProt ID:	<u>Q61411</u>
Cytogenetics:	7 86.48 cM
Gene Summary:	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform 1. Isoform 1 is also known as p21. Variants 1 and 3 encode the same protein.