

Product datasheet for MC208705

Hras (NM_001130444) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hras (NM_001130444) 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:	>MC208705 representing NM_001130444 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGAATACAAGCTTGTGGTGGTGGGCGCTGGAGGCGTGGGAAAGAGTGCCTGACCATCCAGCTGA
TCCAGAACCACCTTGTGGACGAGTATGATCCCACTATAGAGGACTCTACCGAAACAGGTGGTCATTGA
TGGGGAGACATGTCTACTGGACATCTTAGACACAGCAGGTCAAGAAGAGTATAGTGCCATCGGGACCAG
TACATGCGCACAGGGGAGGGCTTCTCTGTGATTTGCCATCAACAACACCAAGTCTTCGAGGACATCC
ATCAGTACAGGGAGCAGATCAAGCGGGTAAAGATTGAGATGATGTCCAATGGTCTGGTGGGCAACA
GTGTGACCTGGCTGCTCGCACTGTTGAGTCTCGGCAGGCCAGGACCTTGCTCGCAGCTATGGCATCCCC
TACATTGAAACATCAGCCAAGACCCGGCAGGGCAGCCGCTCTGGCTCCAGCTCCGGGACCCTCTGGGATC
CCCCCTCCCCGGGACCCATGTGACCCAGCGGCCCTCAAGCTGGCGTGGAGGATGCCTTCTATACTAG
TCCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001130444
Insert Size:	567 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_001130444.1, NP_001123916.1</u>
RefSeq Size:	2272 bp
RefSeq ORF:	567 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 (2) differs in the 3' UTR and includes an alternate exon in its 3' coding region, compared to variant 1. The resulting isoform (2) contains a distinct C-terminus and is shorter than isoform 1. Isoform 2 is also known as p21.</p>