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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC208705 representing NM_001130444
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGAATACAAGCTTGTGGTGGTGGGCGCTGGAGGCGTGGGAAAGAGTGCCCTGACCATCCAGCTGA
TCCAGAACCACTTTGTGGACGAGTATGATCCCACTATAGAGGACTCCTACCGGAAACAGGTGGTCATTGA
TGGGGAGACATGTCTACTGGACATCTTAGACACAGCAGGTCAAGAAGAGTATAGTGCCATGCGGGACCAG
TACATGCGCACAGGGGAGGGCTTCCTCTGTGTATTTGCCATCAACAACACCAAGTCCTTCGAGGACATCC
ATCAGTACAGGGAGCAGATCAAGCGGGTGAAAGATTCAGATGATGTGCCAATGGTGCTGGTGGGCAACAA
GTGTGACCTGGCTGCTCGCACTGTTGAGTCTCGGCAGGCCCAGGACCTTGCTCGCAGCTATGGCATCCCC
TACATTGAAACATCAGCCAAGACCCGGCAGGGCAGCCGCTCTGGCTCCAGCTCCGGGACCCTCTGGGATC
CCCCCTCCCCCGGGACCCATGTGACCCAGCGGCCCTCAAGCTGGCGTGGAGGATGCCTTCTATACACTAG
TCCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001130444
Insert Size:	567 bp

View online »

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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:	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_001130444.1, NP_001123916.1
RefSeq Size:	2272 bp
RefSeq ORF:	567 bp
Locus ID:	15461
UniProt ID:	Q61411
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 (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.

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