

Product datasheet for SC330270

MRAS (NM_001252091) Human Untagged Clone

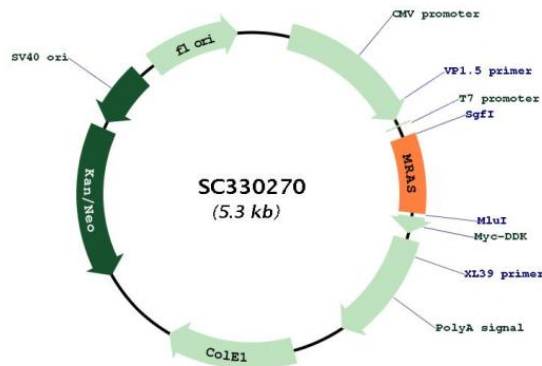
Product data:

Product Type: Expression Plasmids
 Product Name: MRAS (NM_001252091) Human Untagged Clone
 Tag: Tag Free
 Symbol: MRAS
 Synonyms: M-RAS; NS11; R-RAS3; RRAS3
 Vector: pCMV6-Entry (PS100001)
 Fully Sequenced ORF: >SC330270 representing NM_001252091.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGGGAGCAATACATGCGCACGGGGATGGCTTCTCATCGTCTACTCCGTCCTGACAAGGCCAGC
 TTTGAGCACGTGGACCGCTTCCACCAGCTTATCCTGCGCGTCAAAGACAGGGAGTCATCCCGATGATC
 CTCGTGGCCAACAAGGTCGATTTGATGCACTTGAAGGAGATCACCAGGGAGCAAGGAAAAGAAATGGCG
 ACCAAACAATATTCCGTACATAGAAACCAAGTCCCAAGGACCCACCTCTCAATGTGACAAAGCCTTC
 CATGACCTCGTTAGAGTAATTAGGCAACAGATTCGGAAAAAGCCAGAAGAAGAAGAAGAAAACCAA
 TGGCGGGAGACCGGGCCACAGGCACCCACAACTGCAATGTGTGATCTTGTGA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001252091



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Insert Size:	399 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).
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_001252091.1</u>
RefSeq Size:	4398 bp
RefSeq ORF:	399 bp
Locus ID:	22808
UniProt ID:	<u>O14807</u>
Cytogenetics:	3q22.3
Protein Families:	Druggable Genome
Protein Pathways:	MAPK signaling pathway, Regulation of actin cytoskeleton, Tight junction
MW:	15.5 kDa
Gene Summary:	<p>This gene encodes a member of the Ras family of small GTPases. These membrane-associated proteins function as signal transducers in multiple processes including cell growth and differentiation, and dysregulation of Ras signaling has been associated with many types of cancer. The encoded protein may play a role in the tumor necrosis factor-alpha and MAP kinase signaling pathways. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (4) lacks an exon and uses a downstream, in-frame start codon, compared to variant 1. Variants 4, 5 and 6 encode the same isoform (2), which has a shorter N-terminus compared to isoform 1.</p>