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Product datasheet for SC205520

p21 Ras (HRAS) (NM_001130442) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	p21 Ras (HRAS) (NM_001130442) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	HRAS
Synonyms:	C-BAS/HAS; C-H-RAS; C-HA-RAS1; CTLO; H-RASIDX; HAMSV; HRAS1; p21ras; RASH1
ACCN:	NM_001130442
Insert Size:	424 bp
Insert Sequence:	>SC205520 3'UTR clone of NM_001130442 The sequence shown below is from the reference sequence of NM_001130442. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TGCATGAGCTGCAAGTGTGTGCTCTCCTGACGCAGGTGAGGGGGACTCCCAGGGCGGCCGCCACGCCCA CCGGATGACCCCGGCTCCCCGCCCCTGCCGGTCTCCTGGCCTGCGGTCAGCAGCCTCCCTTGTGCCCCG CCCAGCACAAGCTCAGGACATGGAGGTGCCGGATGCAGGAAGGAGGTGCAGACGGAAGGAGGAGGAAGG AAGGACGGAAGCAAGGAAGGAAGGAAGGGCTGCTGGAGCCCAGTCACCCCGGGACCGTGGGCCGAGGTG ACTGCAGACCCTCCCAGGGAGGCTGTGCACAGACTGTCTTGAACATCCCAAATGCCACCGGAACCCCAG CCCTTAGCTCCCCTCCCAGGCCTCTGTGGGCCCTTGTCGGGCACAGATGGGATCACAGTAAATTATTGG ATGGTCTTGA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_001130442.3

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Summary: This gene belongs to the Ras oncogene family, whose members are related to the transforming genes of mammalian sarcoma retroviruses. The products encoded by these genes function in signal transduction pathways. These proteins can bind GTP and GDP, and they have intrinsic GTPase activity. This protein undergoes a continuous cycle of de- and re-palmitoylation, which regulates its rapid exchange between the plasma membrane and the Golgi apparatus. Mutations in this gene cause Costello syndrome, a disease characterized by increased growth at the prenatal stage, growth deficiency at the postnatal stage, predisposition to tumor formation, cognitive disability, skin and musculoskeletal abnormalities, distinctive facial appearance and cardiovascular abnormalities. Defects in this gene are implicated in a variety of cancers, including bladder cancer, follicular thyroid cancer, and oral squamous cell carcinoma. Multiple transcript variants, which encode different isoforms, have been identified for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 3265

MW: 14.6