

Product datasheet for **RC200739**

p21 Ras (HRAS) (NM_176795) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: p21 Ras (HRAS) (NM_176795) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: p21 Ras
Synonyms: C-BAS/HAS; C-H-RAS; C-HA-RAS1; CTLO; H-RASIDX; HAMSIV; HRAS1; p21ras; RASH1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200739 representing NM_176795
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGAATATAAGCTGGTGGTGGTGGGCGCCGGTGTGGGCAAGAGTGGCTGACCATCCAGCTGA
 TCCAGAACCATTTGTGGACGAATACGACCCACTATAGAGGATTCCTACCGGAAGCAGGTGGTCAATTGA
 TGGGGAGAGCTGCCTGTTGGACATCCTGGATACCGCCGGCCAGGAGGAGTACAGCGCCATGCGGGACCAG
 TACATGCGCACCGGGGAGGGCTTCTGTGTGTGTTGCCATCAACAACACCAAGTCTTTGAGGACATCC
 ACCAGTACAGGGAGCAGATCAAACGGGTGAAGGACTCGGATGACGTGCCATGGTCTGGTGGGGAACAA
 GTGTGACCTGGCTGCACGCACTGTGGAATCTCGGCAGGCTCAGGACCTCGCCGAAGCTACGGCATCCCC
 TACATCGAGACCTCGGCCAAGACCCGGCAGGGCAGCCGCTCTGGCTCTAGCTCCAGCTCCGGGACCCCTCT
 GGGACCCCCGGGACCCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200739 representing NM_176795
 Red=Cloning site Green=Tags(s)
 MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDITAGQEEYSAMRDQ
 YMRTEGEGFLCVFAINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAARTVESRQAQDLARSYGIP
 YIETSAKTRQGSRSRSGSSSSSGLWDPGPM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

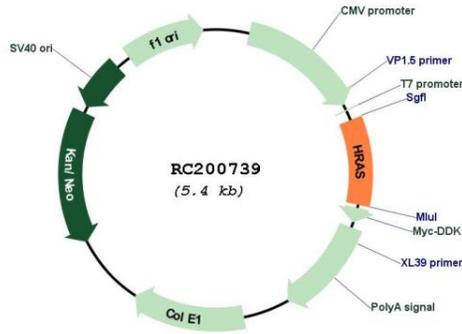
Chromatograms: https://cdn.origene.com/chromatograms/ja1451_b11.zip



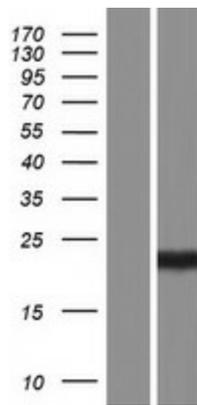
[View online »](#)

RefSeq:	NM_176795.4 , NP_789765.1
RefSeq Size:	1143 bp
RefSeq ORF:	513 bp
Locus ID:	3265
UniProt ID:	P01112
Cytogenetics:	11p15.5
Protein Families:	Druggable Genome
Protein Pathways:	Acute myeloid leukemia, Axon guidance, B cell receptor signaling pathway, Bladder cancer, Chemokine signaling pathway, Chronic myeloid leukemia, Endocytosis, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Melanoma, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway, Thyroid cancer, Tight junction, VEGF signaling pathway
MW:	18.7 kDa
Gene Summary:	<p>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]</p>

Product images:



Circular map for RC200739



Western blot validation of overexpression lysate (Cat# [LY406123]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200739 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).