

# Product datasheet for MR201779

### Kras (NM\_021284) Mouse Tagged ORF Clone

#### **Product data:**

#### OriGene Technologies, Inc.

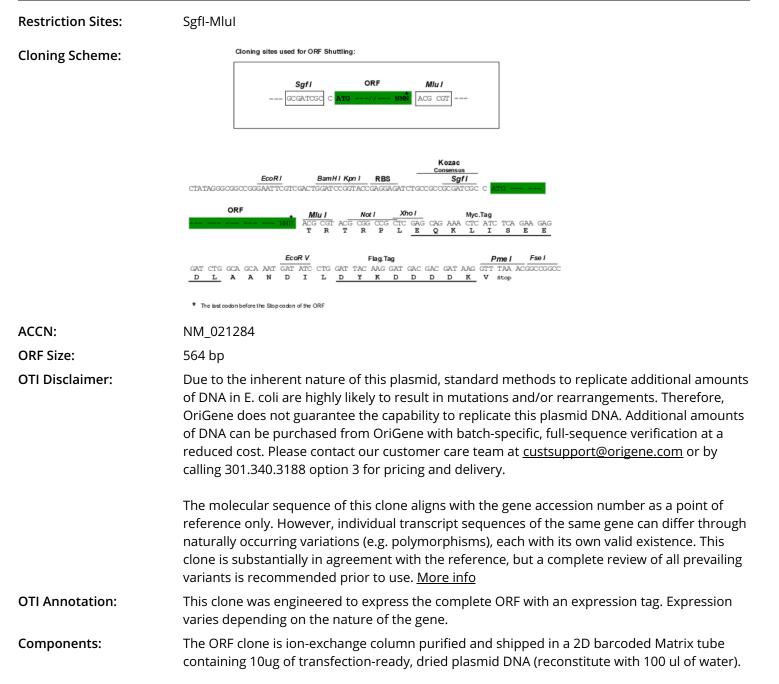
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Product Type:	Expression Plasmids
Product Name:	Kras (NM_021284) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kras
Synonyms:	Al929937; c-K-ras; c-Ki-ras; K-Ras; K-ras; Ki-ras; Kras-2; Kras2; p21B; ras
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR201779 representing NM_021284 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGACTGAGTATAAACTTGTGGTGGTTGGAGCTGGTGGCGTAGGCAAGAGCGCCTTGACGATACAGCTAA TTCAGAATCACTTTGTGGATGAGTACGACCCTACGATAGAGGGACTCCTACAGGAAACAAGTAGTAATTGA TGGAGAAACCTGTCTCTTGGATATTCTCGACACAGCAGGTCAAGAGGGGTACAGTGCAATGAGGGACCAG TACATGAGAACTGGGGAGGGCTTTCTTTGTGTATTTGCCATAAATAA
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG <b>GTTTAA</b>
Protein Sequence:	>MR201779 representing NM_021284 <mark>Red</mark> =Cloning site Green=Tags(s)
	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQ YMRTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSEDVPMVLVGNKCDLPSRTVDTKQAQELARSYGIP FIETSAKTRQGVDDAFYTLVREIRKHKEKMSKDGKKKKKKSRTRCTVM
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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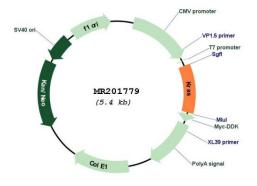




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<b>GORÎGENE</b> Kras (N	M_021284) Mouse Tagged ORF Clone – MR201779
Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 021284.2</u>
RefSeq Size:	4663 bp
RefSeq ORF:	567 bp
Locus ID:	16653
UniProt ID:	<u>P32883</u>
Cytogenetics:	6 77.37 cM
MW:	21.9 kDa
Gene Summary:	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity (By similarity). Plays an important role in the regulation of cell proliferation (PubMed:6474169, PubMed:1352876). Plays a role in promoting oncogenic events by inducing transcriptional silencing of tumor suppressor genes (TSGs) in colorectal cancer (CRC) cells in a ZNF304-dependent manner (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR201779

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