

## Product datasheet for MC205663

### Kras (NM\_021284) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kras (NM_021284) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kras
Synonyms:	A1929937; c-K-ras; c-Ki-ras; K-Ras; K-ras; Ki-ras; Kras-2; Kras2; p21B; ras
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC004642  
 CGGACCGTGGGCGGCAGCGCTGTGGCGGCGGCTGAGACGGCAGGGGAAGCGGCGGCGGCTCGGCCGG  
 AGTCCCGCTCCCGGCCATTTTCGACCCGAGCGAGCGCGGCGGGCCCTGAAGCGGCGGCGGGAGCCT  
 GAGGCGCGGCGGCTCCGCGGCGGAGAGAGGCCCTGCTGAAAATGACTGAGTATAAACTTGTGGTGTG  
 GAGCTGGTGGCGTAGGCAAGAGCGCCTTACGATACAGCTAATTCAGAATCACTTTGTGGATGAGTACGA  
 CCCTACGATAGAGGACTCCTACAGGAAACAAGTAGTAATTGATGGAGAAACCTGTCTCTTGGATATTCTC  
 GACACAGCAGGTCAAGAGGAGTACAGTGAATGAGGGACCAGTACATGAGAACTGGGAGGGCTTTCTTT  
 GTGTATTTGCCATAAATAACTAAATCATTTGAAGATATTCACCATTATAGAGAACAAATTAAGAGT  
 AAAGGACTCTGAAGATGTCCTATGGTCTGGTAGGGAATAAGTGTGATTTGCCTTCTAGAACAGTAGAC  
 ACGAAACAGGCTCAGGAGTTAGCAAGGAGTTACGGGATTCGGTTCATTGAGACCTCAGCAAAGACAAGC  
 AGGGTGTGACGATGCCTTCTATACATTAGTCCGAGAAATTCGAAAACATAAAGAAAAGATGAGCAAAGA  
 TGGGAAGAAGAAGAAGAAGTCAAGGACAAGGTGTACAGTTATGTGAATACTTTGTACTCTTTCTTAA  
 GGCACACTTAAGTAAAAGTGTGATTTTTGTACATTACACTAAATTAATAGCATTGTTTTAGCATTACCT  
 AATCTTTTTTTTTTCTTCTGTTCTGTCGAACTGTGAGCTTTTATCTCAAATGCTTATTTAAAAGAACAG  
 TGGAAACCTTCTTTTTCTAAGTGCCAGTATCCCTGGGTTTTGGACTTAACTAGCAATGCCTGTGGAA  
 GAGACTAAAGACCTGAGACTCTGCTTGGGATTTGGTGCATGCAGTTGATTCCTTGTAGTTCTCTTACC  
 AACTGTGAACACTGATGGGAAGCAGGATAATGAAGCTCCGGACCATCCCTGCTGTGTCCATCTACTC  
 ATCCAATGGAGTCATTAGCAGTCAATCGCAGCTTCACTGGACACTGAGGGGTACAGACTTAGGCTCCCT  
 TTGAGTCAGTCCAGCGTGTCTAGACTTTATCATCTTTTCAGAGGCGTAGGCAGACTGTTCAAAAAGGCT  
 TTCTCTAGCTTTTCCACTGCAATTAATCTTGGTCACTCCCTCAAATAGTATATTTTTCTAGAAAAGGGGA  
 AAAATGGAAAAAAAAAAAAAAAAAGGCAATGGAAAATGTTGAAATCCATTGAGTTTCCATGTTAGCTAAATTAC  
 TGTAAGATTCTATAATAGCTTTTCTGGTAAGGCAGACCCAGTATGAAATAGTAATAACCATTTGGGCT  
 ATATTTACATGCTACTAAATTTTTGTAATAATTCAAAACACTTTAGCATATATAAAAAGTTCTCATAAGA  
 ATTAAGTACAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_021284
<b>Insert Size:</b>	567 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC004642</a> , <a href="#">AAH04642</a>
<b>RefSeq Size:</b>	1567 bp
<b>RefSeq ORF:</b>	567 bp
<b>Locus ID:</b>	16653
<b>UniProt ID:</b>	<a href="#">P32883</a>
<b>Cytogenetics:</b>	6 77.37 cM
<b>Gene Summary:</b>	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]