

Product datasheet for MR205931

Cers2 (NM_029789) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cers2 (NM_029789) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cers2
Synonyms:	0610013I17Rik; AI225939; Lass2; TRH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205931 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCAGACCTTGTATGACTACTTCTGGTGGGAACGACTATGGCTGCCTGTGAACCTAACCTGGGCTG
ATCTAGAAGACAAAGATGGACGTGTCTATGCCAAAGCCTCAGATCTCTACATCACACTCCCCCTGGCCCT
GCTCTTTCTCGTCATTCGATACTTCTTTGAGCTTTATGTGGCAACACCCCTGGCTGCCCTCTGAATGTT
AAGGAGAAAACCCGACTGCGGGCACCTCCCAATGCCACCTTGAACATTTCTACCAGACCAGCGGAAGC
AGCCCAAGCAGGTGGAGGTAGACCTTTTGTACGGCAGAGTGGGCTCTCTGGACGCCAGGTAGAAGCTG
GTTCCGCCCGCCGCAACCAGGACAGGCCAGTCTTCTCAAAAAGTTCGAGAAGCCAGCTGGAGATTC
ACGTATTACCTAATTGCCTTTGTTGCTGGCATGGCTGTCACTGTGGATAAACCCCTGGTTCTATGACTTAA
GGAAAGTTTGGGAGGGATATCCCATACAGAGCATCATCCCTTCTCAGTATTGGTACTACATGATTGAACT
TTCCTTCTACTGGTCCCTGCTCTTCAGCATTGCCTCTGATGTCAAGCGAAAGGATTTTAAAGGAACAGATC
ATCCACCATGTGGCCACTATCATTCTCCTCTGCTTCTCCTGGTTTGCCAATTACGTCCGGGCAGGGACCC
TCATCATGGCTCTGCATGACGCTTCTGACTACCTGCTGGAGTCTGCCAAGATGTTAACTACGCGGGATG
GAAGAACACCTGCAACAACCTCTTCATTGTGTTTCGCCATCGTTTTTCATCATCACTCGGCTGGTTATCATG
CCTTTCTGGATCCTACACTGCAGATGATATCCCACTGGAGCTTACCCTGCCTCTTTGGCTATTATT
TCTTCAATTTTATGATGGCAGTGTCTACAGATGCTCCATATCTTCTGGGCTACTTCACTTCTGCGTATGGC
CCACAAGTTCATAACTGGAAAGCTGATAGAAGATGAACGAGTGCAGAGAAGAAACAGAGAGTTACAGAG
GGGGAGGAGACTGCAGCTGGGGCAGGAGCAAAGAGCCGGCTCCTAGCTAATGGCCACCCCATCTCAATA
ACAATCATCCTAAGAATGAC

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205931 protein sequence
Red=Cloning site Green=Tags(s)

MLQTLYDYFWERLWLPVNLTWADLEDKDRVYAKASDLYITLPLALLFLVIRYFFELYVATPLAALLNV
 KEKTRLRAPPNATLEHFYQTSKGQPKQVEVDLLSRQSLSGRQVERWFRRRRNQDRPSLLKKFREASWRF
 TYYLIAFVAGMAVTVDKPFYDLRKVWEGYPIQSIIPSQYWYMIELSFYWSLLFSIASDVKRRKDFKEQI
 IHHVATIILLCFSWFANYVRAGTLIMALHDASDYLLLESAKMFNYAGWKNTCNLFIVFAIVFIITRLVIM
 PFWILHCTMIYPLELYPAFFGYFFNFMMAVLQMLHIFWAYFILRMAHKFITGKLIEDERSDREETESSE
 GEETAAGAGAKSRLLANGHPILNNHPKND

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029789

ORF Size: 1143 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_029789.2](#)

RefSeq Size: 2048 bp

RefSeq ORF: 1143 bp

Locus ID: 76893

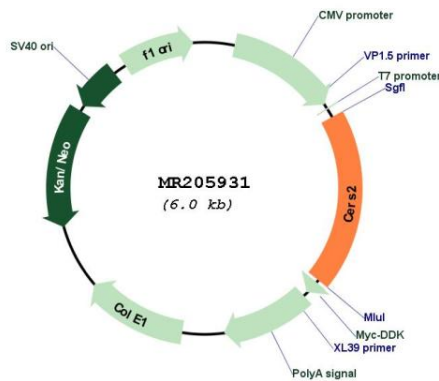
UniProt ID: [Q924Z4](#)

Cytogenetics: 3 F2.1

MW: 45 kDa

Gene Summary: Suppresses the growth of cancer cells. May be involved in sphingolipid synthesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205931