

Product datasheet for **MR219330**

Ces5a (NM_001003951) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|-------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Ces5a (NM_001003951) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Ces5a |
| Synonyms: | 1700081L16Rik; 1700122C07Rik; BB081581; cauxin; Ces7; Gm503 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MR219330 representing NM_001003951
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCGGGGACTGGGTGCGTCCAGGACAAGCCCTAATCTGGGTTATTTGGATCTTTGGAGCCATCATCG
 AGGGGTCTGTGACTGAAGAGCCACATAGGTACACCAAGCTGGGATGGGTGCAGGGGAAGCAAGCCACCGT
 GCTGGGAAGACTGGAACCCGTGAACGTGTTTCTTGGGATCCCCTTTGCTGCACCCCTCTTGACCTCTG
 CGGTTTTCCAAGCCACAGCCTCCGATCCCTGGGATAATTTGCGAGAAGCCACTGCCTATCCCAATTTGT
 GCTTTCAGAACTTAGAGTGGTTATTCATATATCAAAACCTGCTCAAAGTAAGTTACCCTATACTTGGAA
 GTCAGAGGACTGCTTATACCTCAACATTTATGCACCATGCCATGCCAATAACGGCTCCAGTCTCCCGGTC
 ATGGTGTGGATACCAGGTGGTGGCTTTGAGACTGGCTCAGCTCCATCTTTGATGGCTCTGCCCTGGCTG
 TCTATGAGGATGTGTTGGTTGTCACCATCCAGTACCGCTAGGAATATTTGGCTTCTTACCACACAGAA
 CCAGCATGCCCTGGGAATTGGGCTTCTGGGACCAGCTGGCTGCCTTGTGTGGGTGAGGAGAACATC
 AAGTACTTCGGTGGAAACCCCTGACTCCGTGACCATCTTCGGTAACCTCAGCGGGAGCCATAAGCATTCTA
 GCCTCATTCTGTCTCCTTTGAGTGCGGACTTATCCACAGAGCCATCATGCAGAGTGGAGTGGCCATCAT
 CCCAGCCTGAAGAGCTCTGATAATGATCTGAAACATGATTTGCAGGTGGTTGCAAAATGTTTGTGATTGC
 AATGTATCAGACTCCAAGGCTTTGCTGAAGTGCCTGAGGGAAAAGTCTTCTTTGGAGTTGATGAGCCTTA
 GCCAGAAAAGCAAATCATTCACTCGAGTGGTGCACGGTCTTCTTCTCCGAAGAACCCTAGAAGTGT
 GTCTCAAAGACATTGAAAATAGTACCTTCTATCATTGGAGTCAATAACCAGGAGTGTGGCTACATATTG
 CCCGTGAGAGACTCCTGAGATTCTCCTCGGCTCCAATGAGTCTACTGCTCTCACCTTGATACATACTT
 TGCTGCATATCCCACCCAGCATTGTACATTGTGACTAAAGAGTACTTCCATGGCAAGCATTCTCCGAC
 CGACATCCGAGACACTTTACTGGACTTGTGGAGATGTGTTCTTTGTGGTCCCGGGCTGGTTACAGCT
 CGATATCACAGAGATTCTGGTGGACCTGTCTATTTTTATGAGTTTCAGCACAGACCCATTGCTTTCAAA
 ACTCAAGGCCAGCCTTCGTGAAGGCTGACCACACAGACGAAATCCGCTTCGTTTTTGGAGGCCCTTCTCT
 GAAGGGCGACGTGGTCATGTTTGGAGGAAGCCACCGAGGAAGAGAAGTTGCTAAGCAGGAAGATGATGAAA
 TACTGGGTAACCTTCCAGGAGCGGGATCCTAACGGTGCCGACCTGCCTCCGTGGCCAGTCTATGATG
 AGAATGAACAGTACCTGGAAGTGGATGTGAACATCAGCACTGGGCGGAGACTGAAAGACCAGAGGGTGA
 GTTTTGGACAGACACCCTCCCCTGATCTGTCTGCTTCAAAGCGCTGCTCAGTCCCACGTTCTCCTTA
 ATCCTCCTACTACTGTGCGCTGCCTTCTCTCCGCTGCTTCT

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219330 representing NM_001003951
 Red=Cloning site Green=Tags(s)

MSGDWVRPGQALIWIIWIFGAIIEGSVTEPHRYTKLWVQKQATVLRLEPVNVFLGIPFAAPPLGPL
 RFSKPPPIPDNLREATAYPNLCFQNLWLFYQNLKVSYPILGMSDECLYLNIIYAPCHANNGSSLPV
 MVWIPGGGFETGSASIFDGSALAVYEDLVVTIQYRLGIFGFFTTQNHAPGNWAFWDQLAALLWVRENI
 KYFGGNPDSVTIFGNSAGAISSILSPLSADLFHRAIMQSGVAIIPSLKSSDNDLKHDLQVAVNVDCD
 NVSDSKALLKCLREKSSLELMSLSQKAKSFTRVVDGSFFSEPLELLSQKTLKIVPSIIGVNNQECGYIL
 PVRDTP EILLGSNESTALTLIHTLLHIPTQHLIYIVTKEYFHGKHSPTDIRDTLLDLFGDVFFVVPGLVTA
 RYHRDSSGPPVYFQYHRPHCFQNSRPAFVKADHTDEIRFVFGPPFLKGDVVMFEATEEEKLLSRKMMK
 YWANFARSGDPNGADLPWPVYDENEQYLELDVNIISTGRRLKQDRVEFWDTLPLILSASKALLSPTFSL
 ILLSLLSPVLLSAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9042_g12.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001003951

ORF Size: 1725 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_001003951.3](#)

RefSeq Size: 1728 bp

RefSeq ORF: 1728 bp

Locus ID: 67935

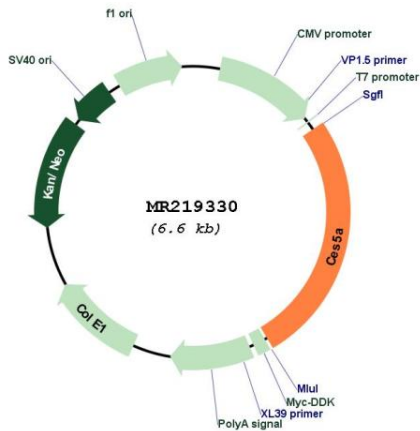
UniProt ID: [Q6AW46](#)

Cytogenetics: 8 C5

MW: 64.6 kDa

Gene Summary: Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219330