

Product datasheet for **MG219330**

Ces5a (NM_001003951) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces5a (NM_001003951) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ces5a
Synonyms:	1700081L16Rik; 1700122C07Rik; BB081581; cauxin; Ces7; Gm503
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219330 representing NM_001003951
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCGGGGACTGGGTGCGTCCAGGACAAGCCCTAATCTGGGTTATTTGGATCTTTGGAGCCATCATCG
 AGGGGTCTGTGACTGAAGAGCCACATAGGTACACCAAGCTGGGATGGGTGCAGGGGAAGCAAGCCACCGT
 GCTGGGAAGACTGGAACCCGTGAACGTGTTTCTTGGGATCCCCTTTGCTGCACCCCTCTTGACCTCTG
 CGGTTTTCCAAGCCACAGCCTCCGATCCCTGGGATAATTTGCGAGAAGCCACTGCCTATCCCAATTTGT
 GCTTTCAGAACTTAGAGTGGTTATTCATATATCAAAACCTGCTCAAAGTAAGTTACCCTATACTTGGAA
 GTCAGAGGACTGCTTATACCTCAACATTTATGCACCATGCCATGCCAATAACGGCTCCAGTCTCCCGGTC
 ATGGTGTGGATACCAGGTGGTGGCTTTGAGACTGGCTCAGCTCCATCTTTGATGGCTCTGCCCTGGCTG
 TCTATGAGGATGTGTTGGTTGTCACCATCCAGTACCGCTAGGAATATTTGGCTTCTTCACCACACAGAA
 CCAGCATGCCCTGGGAATTGGGCTTCTGGGACCAGCTGGCTGCCTTGCTGTGGGTGAGGAGAACATC
 AAGTACTTCGGTGGAAACCCCTGACTCCGTGACCATCTTCGGTAACTCAGCGGGAGCCATAAGCATTCTA
 GCCTCATTCTGTCTCCTTTGAGTGGGACTTATCCACAGAGCCATCATGCAGAGTGGAGTGGCCATCAT
 CCCAGCCTGAAGAGCTCTGATAATGATCTGAAACATGATTTGCAGGTGGTTGCAATGTTTGTGATTGC
 AATGTATCAGACTCCAAGGCTTTGCTGAAGTGCCTGAGGGAAAAGTCTTCTTTGGAGTTGATGAGCCTTA
 GCCAGAAAAGCAAATCATTCACTCGAGTGGTGCACGGTCTTCTTCTCCGAAGAACCCTAGAAGTGT
 GTCTCAAAGACATTGAAAATAGTACCTTCTATCATTGGAGTCAATAACCAGGAGTGTGGCTACATTTG
 CCCGTGAGAGACTCCTGAGATTCTCCTCGGCTCCAATGAGTCTACTGCTCTCACCTTGATACATACTT
 TGCTGCATATCCCACCCAGCATTGTACATTGTGACTAAAGAGTACTTCCATGGCAAGCATTCTCCGAC
 CGACATCCGAGACACTTTACTGGACTTGTGGAGATGTGTTCTTTGGTTCGCGGCTGGTTACAGCT
 CGATATCACAGAGATTCTGGTGGACCTGTCTATTTTTATGAGTTTCAGCACAGACCCATTGCTTTCAAA
 ACTCAAGGCCAGCCTTCGTGAAGGCTGACCACACAGACGAAATCCGCTTCGTTTTTGGAGGCCCTTCT
 GAAGGGCGACGTGGTCAATGTTTGGGAAGCCACCGAGGAAGAGAAGTTGCTAAGCAGGAAGATGATGAAA
 TACTGGGCTAAGTTGCCAGGAGCGGGATCCTAACGGTGCCGACCTGCCTCCGTGGCCAGTCTATGATG
 AGAATGAACAGTACCTGGAAGTGGATGTGAACATCAGCACTGGCGGAGACTGAAAGACCAGAGGGTGA
 GTTTTGGACAGACACCCCTCCCTGATCTGTCTGCTTCAAAGCGCTGCTCAGTCCACGTTCTCCTTA
 ATCCTCCTACTACTGTGCTGCTCTCTCCGCTGCTTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219330 representing NM_001003951
 Red=Cloning site Green=Tags(s)

MSGDWVRPGQALIWIWIFGAIIEGVSVEPHRYTKLWVQKQATVLRLEPVNVFLGIPFAAPPLGPL
 RFSKPQPIIPWDLREATAYPNLCFQNLWLFYQNLKVSYPILGMSDECLYLNIYAPCHANNGSSLPV
 MVWIPGGGFETGSASIFDGSALAVYEDLVVVTIQYRLGIFGFFTTQNHAPGNWAFWDQLAALLWVRENI
 KYFGGPNDSVTIFGNSAGAISISLILSPLSADLFHRAIMQSGVAIIPSLKSSDNDLKHDLQVVANVDCD
 NVSDSKALLKCLREKSSLEMSLSQKAKSFTRVVDGSFFSEEPLELLSQKTLKIVPSIIGVNNQECGYIL
 PVRDTPPELLGSNESTALTLIHTLLHIPTQHLIYVTKEYFHGKHSPTDIRDTLLDLFGDVFFVPLVTA
 RYHRDSSGPPVYFQHRPHCFQNSRPAFVKADHTDEIRFVFGGPFLLKGDVVMFEATEEEKLLSRKMMK
 YWANFARSGDPNGADLPWPVYDENEQYLELDVNI STGRRLKQQRVEFWDTLPLILSASKALLSPTFSL
 ILLSLLSPVLLSAAS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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
Gene Summary:	Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs.[UniProtKB/Swiss-Prot Function]