

Product datasheet for **MC205461**

Ces2e (NM_172759) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces2e (NM_172759) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ces2e
Synonyms:	9030624L02Rik; Ces5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC055062
 GCAACACAGACTCAGATCTAAGAGCTGACTATGCCACTATACAACTTCTTGGATGGCTGAATGCTGTGG
 CCTGTGGGGTCTGCTTCTCGTTCTGCATGTGCAAGGTCAGGACTCAGCCAGCCCCATCAGGAACACACA
 CACAGGCCAGGTGAGAGGCAGCCTTGTCCACGTGAAGGACTGACATCGCTGTTTCATACCTTCTGGGA
 ATCCCCTTTGCCAAGCCTCCTGTAGGACTGCGCTTTCACCTCCTGAGGCCCTGAGCCATGGAGTG
 GGGTGAGGGATGGGACCTCACATCCAAACATGTGTCTACAAAATGACAATTTGATGGGTTTCAGAGGATC
 GAAGATGATGAACCTTGCCTGCCATCTCTATGTCTGAGGACTGCCTGTATCTCAACATCTATGTA
 CCAGCCCATGCCATGAGGGTTCTAACCTACCTGTGATGGTATGGATCCATGGTGGTGCACTCACTGTTG
 GCATGGCTTCCATGTATGATGGATCCATGCTGGCAGCAACTGAGGATGTGGTGGTGGTTCGCTATCCAGTA
 CCGCTGGGTGTTCTGGGATTCTTCAGCACTGGAGACCAGCATGCCAAAGGCAACTGGGGATACCTGGAC
 CAAGTGGTGCCTTTCGTTGGGTCCAGCAAAACATTGTCCACTTTGGAGGCAACCCTGACCGAGTACCA
 TTTTTGGAGAGTCAGCAGGTGGCACAAGTGTCTTTCACATGTTGTGTCCTCCATGTCCCAGGGACTCTT
 CCATGGTCCATCATGGAGAGTGGAGTAGCTGTGCTCCCTGATCTTATCTCCAGCTCCTCTGAGATGGT
 CACAGAATAGTGGCAATCTATCTGGCTGTGCAGCTGTGAACTCAGAGACCCTGATGTGCTGCCTAAGAG
 GCAAGAATGAAGCAGAGATGCTGGCTATTAATAAGGTCTTCAAAATCATCCCTGGTGGTGGATGGAGA
 GTTCTACCCAAGCATCCTCAGGAGCTGATGGCTCTAAGGATTTTACCTGTCCCCAGCATCATTGGT
 ATCAACAATGATGAATATGGTTGGATTCTTCTACGATCATGGACCCAGCTCAGAAAATAGAGGAAATAA
 CCAGAAAGACCCTGCCAGCTGTTCTAAAAAGCACAGCCCTAAAAATGATGCTGCCTCCTGAGTGGTGA
 CCTGCTAATGGAGGAGTACATGGGGGACTGAGGACCCAGAGACTCTGCAAGCACAGTTCAGAGAGATG
 AAGGGGGACTTTCATGTTTCGTGATCCCTGCCTACAAGTAGCACATTTTCAACGTTCCCATGCTCCTGTCT
 ACTTCTATGAGTTCCAACATCGACCCAGCTTCTCAAGGATTTTCAGGCCACCCTATGTGAAGGCTGACCA
 TGGTGTGAAAATTTTCTTGTCTTTGGTACCAGTTCGGTAACATAAACTTCTTACACTGAGGAAGAG
 GAGCAACTAAGCAGAAGGATAATGAAGTACTGGGCAACTTTGCACGGCACGGGAACCCCAACAGTGAAG
 GTCTACCTACTGGCCTGTGATGGACCATGATGAGCAGTACCTGCAGCTGGACATCCAGCCTTCTGTGGG
 TCGAGCCCTGAAGGCCAGAAGGCTGCAGTCTGGACCAAGACTCTGCCCCAGAAGATCCAGGAGCTAAAG
 GGGTCTCAGGAGAGGCACAAAGAGTTGTAGTGCCTGTGTGAAGAAAGGCATGTGGGCTTCATGTCTGAG
 GGATTCTGCAGACACTGTGAAGCCACATTTATGTGAACATAACACATCTGCAAAGATCTTTGGCTATGA
 TTGTGTTCTAGAGATGATATAGAAGAGAAAAGAATCCCCGGATATGTATAGCAGAAGAGATTTCTGTCT
 TGGCACCTGATGGCTTCTCCATGTATGGAAGTGACTTCTTGCCTTTTCAAAAATCTAATAAAAACCCAT
 CTTTTTCATGGCAA

Restriction Sites: RsrII-NotI

ACCN: NM_172759

Insert Size: 1680 bp

OTI Disclaimer: 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).

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: [BC055062](#), [AAH55062](#)

RefSeq Size: 2012 bp

RefSeq ORF: 1680 bp

Locus ID: 234673

UniProt ID: [Q8BK48](#)

Cytogenetics: 8 D3

Gene Summary: Carboxylesterase that catalyzes the hydrolysis of pyrethroids pesticides. Hydrolyzes trans-permethrin at a rate about 22-fold higher than cis-permethrin. Also hydrolyzes trans-cypermethrin.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.