

Product datasheet for **RN214830**

Ces5a (NM_001012056) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces5a (NM_001012056) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ces5a
Synonyms:	Ces5; Ces7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214830 representing NM_001012056
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTGGGGACTGGGTGCATACAGGCCAGGCCCTAATCTGGGTCCTTTGGATCTTTGCAGCCATCATCA
 GGGGGTCTGTGACTGAAGAGCCACATAGGTATACCAGGCTGGGATGGGTGCAAGGGAAGCAAGCCACTGT
 GCTGGGAAGACTTGAACCTGTGAACGTGTTTCTGGGATCCCCTTTGCTGCACCCCTCTTGACCTCTG
 CGGTTTTCCAATCCACAGCCTCCGATCCCATGGCACGATTTGCGAGAAGCCACTACCTATCCCAATGTGT
 GCTTTCAGAACTTAGAGTGGCTTTCATATATCAAAACCTGCTCAAAGTACATTACCCTAAACTGGAGT
 GTCAGAGGACTGTCTGTACCTCAACATTTATGCACCAGCCTACGCCAATGATGGCTCCCGCTCCCGGTC
 ATGATGTGGATACCTGGAGGTGGCTTTGAGACTGGCTCGGCTCCATCTTCGATGGGTCTGCCCTGGCTG
 CCTATGAGGACGTGTTGATTGTGACCATCCAGTACCGCTAGGAATATTTGGATTCTTCAACACACAGAA
 CCAGCATGCCCTGGGAAGTGGGCTTCCAGGATCAGTTGGCTGCCTTGAATGGGTTAGGGAGAATCATC
 AACTACTTCGGTGAAACCCCTGACTCTGTGACCATCTTTGGTGGCTCGGCAGGAGCCATAAGCATTCTA
 GCCTCATTCTGTCTCCTTTGAGCGCGGGTTATCCACAGAGCCATCATGCAGAGCGGGTGGCCATCAT
 CCCAGCCTGAAGAATTTTATGATGAAGTGAACACCGTTTGCAGGTGGTTGCGGATGTCTGTAAGTGC
 AACGTATCAGACTCCAAGTTTTGCTGAAGTGCCTGAGGAAAAGTCTTCTCTCGAGTTGCTGAGCCTTG
 GCCAGAAAACAAAGGCATTCACCTCGAGTGGTTGATGGTCTTTCTTTCTGAAGAACCGATGGAAGTGT
 GTCTCAAAGACATTTAAACAGTTCCTTCTATCATTGGAGTCAATAACCAGGAGTGTGGCTACATACTG
 CCCATGAGGGAAGCGCCTGAGATTCTTTTCGGCTCCAATGAGTCTACCGCTCTCACCTGATACATGTCT
 TGCTGCATATTTCCCCCAGTATATGCACATCGTGGCAAAGATTACTTCCACGGCAAGCATTCTCTGAC
 TGACATCCGAGACACTTTACTGGATTTGTTGGAGATGTGTTCTTTGTGGTTCTGGGCTGGTTACAGCT
 CGAAATCACAGAGATGCTGATGGACCTGTCTATTTTTATGAGTTTCAGCACCCGACCAACTGCTTTCAGA
 ACACAAGGCCAGCTTTCGTGAAGGCTGACCACACGGATGAAATCCGCTTTGTCTTTGGAGGCCATTCTCT
 GGAGGGTGACGTGGTCATGTTTGGGAAGCCACTGAGGATGAGAAGTTGCTAAGCAGGAAGATGATGAGC
 TACTGGGTAACCTTCCAGGAGTGGGATCCTAACGGGGATGACCTGCCTCTGTGGCCAGCCTACGATC
 AGAATGAATCGTACCTGAAGCTGGATGTGAACATCAGCACTGGATGGAGACTGAAAGATCGGAGAGTGA
 ATTTTGGACAGACACCCTGCCCTGATCATGTCTGCTTCAAAGCGCTACTCAGTCCACTTTCCCTTA
 ATCCTCTTTTCGCTGCTGCCCGCTCTTCTCTCCATTGCTTCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001012056
- Insert Size:** 1728 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: [NM_001012056.1](#), [NP_001012056.1](#)

RefSeq Size: 2147 bp

RefSeq ORF: 1728 bp

Locus ID: 307660

UniProt ID: [Q5GRG2](#)

Cytogenetics: 19p12

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