

Product datasheet for **RN210886**

Ces1f (NM_001103359) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ces1f
Synonyms:	MGC156521
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>RN210886 representing NM_001103359
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCCTCAGCTTCTGTTCCTGGTGTCCCTAGCAACCTGTGTGGTTTATGGAACCCCTCTTCACCAC
CCGTGGTGGACACCACGAAAGGCAAGTCCTGGGGAAGTACGTCAGCTTAGAAGGAGTCACACAGTCTGT
AGCTGTCTTCTGGGAGTCCCTTTTGCCAAGCCCCCTCTGGGATCTCTGAGGTTTGCTCCACCACAGCCT
GCAGAGCCCTGGAGCTTCGTGAAGAACACCACCATATCCACCTATGTGCTCTCAAGATGCAGCAAAAG
GGCAGAGGATGAATGATCTCCTAACCAACAGAAAGGAGAAAATCCATCTCGAGTTTTCTGAAGATTGTCT
CTACCTGAATATTTACACTCCTGCAGACTTTACAAAGAATAGCAGGCTGCCAGTGATGGTGTGGATCCAT
GGAGGTGGAATGACACTGGCGGGGCATCAACCTATGATGGCCGGGCTCTCTGCCTATGAAAACGTGG
TGGTAGTGGCCATTAGTATCGCTGGGCATCTGGGATTCTTCAGCACAGGGGATGAACACAGCAGGGG
AAACTGGGTCATTTGGACCAAGTGGCTGCGCTGCACTGGGTCCAGGACAACATTGCCAACTTTGGGGGT
GACCCAGGCTCTGTGACCATCTTTGGAGAGTCAGCAGGAGGTTTCAGTGTCTCTGTTCTTGTTGTCC
CACTGACCAAGAACCTCTTCCACAGGGCCATTTCTGAGAGTGGGGTGGTCTTCTTCTGGATTGTTAAC
CAAGGATGTTAGACCAGCCGCTAAGCAAATTTGCTGATATGGCTGGATGTGAAACCACCACATCTGCCATC
ATTGTTCACTGCCTGCGTCAAAAGACAGAAGAGGAGCTCTTAGAGATTATGAAGAAAATGAATCTGATTA
AACTCAGTTCACAAAGGGATAACAAAGAGAGCTACCACTTTTTGTCAACTGTGGTTGACAATGATAGTGT
GCCGAAGGACCCAAAAGAGATCCTGGCTGAGAAGAATTCAACACCGTGCCTACATTGTGGGAATCAAC
AAGCAAGAATGTGGCTGGCTTCTGCCAACAATGATGGGATTGTACCAGCTGATGTAGAATTGGACAAGA
AGATGGCCATTACGCTCCTGGAGAAATTTGCTTCCCTATATGGTATACCAGAGGATATTATCCAGTTGC
CATTGAGAAGTACAGAAAAGGTAGTGATGACTCCATCAAGATCAGAGATGGAATCCTTGCCTTTATTGGG
GATGTGTCAATTTCTATCCCATCAGTGATGGTGTCCCGTGACCACAGAGATGCTGGAGCTCCACCTACA
TGTATGAGTATCAATACTACCCGAGCTTCTCATACCCCAAAGACCAAGCATGTAGTAGGAGACCATGC
AGATGATCTCTACTCTGTCTTTGGTGCCCAATTTAAGAGATGGTGCCTCAGAAGAGGAGATCAAGCTC
AGCAAGATGGTGATGAAATTTGGGCCAACTTTGCTCGGAATGGGAACCTAATGGCCGAGGGCTACCTC
ATTGGCCACAGTATGACCAGAAAGAAGATATCTGCAGATTGGTGCCACCACCCAGCAATCGCAGAGACT
GAAAGCAGAGGAAGTGGCTTTTGGACACAGTTACTGGCTAAGAGACAACCTCAGCCACACCACAACGAG
CTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001103359

Insert Size:

1686 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001103359.2</u> , <u>NP_001096829.2</u>
RefSeq Size:	1935 bp
RefSeq ORF:	1686 bp
Locus ID:	100125372
UniProt ID:	<u>Q64573</u>
Cytogenetics:	19p11
Gene Summary:	Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Hydrolyzes omicron-nitrophenyl acetate and alpha-naphthyl acetate. It also hydrolyzes acetanilide and, distinctively, palmitoyl-CoA.[UniProtKB/Swiss-Prot Function]