

Product datasheet for **RG231056**

CES3 (NM_001185176) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CES3 (NM_001185176) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CES3
Synonyms: ES31
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231056 representing NM_001185176
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCAGATGAGCCGGGAGGACATGCTGCCATCTCAACACCCGTCTTGACCAGTCTGGATGTGCCCC
CTGAGATGATGCCACCGTCATAGATGAATACCTAGGAAGCAACTCGGACGCACAAGCCAAATGCCAGGC
GTTCCAGGAATTCATGGGTGACGTATTCATCAATGTTCCACCGTCAGTTTTTCAAGATACCTTCGAGAT
TCTGGAAGCCCTGTCTTTTCTATGAGTCCAGCATCGACCCAGTCTTTTGCGAAGATCAAACCTGCCT
GGGTGAAGGCTGATCATGGGCGGAGGGTCTTTTGTGTTCCGAGGTCCCTTCTCATGGACGAGAGCTC
CCGCTTGCCCTTTCCAGAGGCCACAGAGGAGAGAAGCAGCTAAGCCTCACCATGATGGCCAGTGGACC
CACTTTGCCCGGACAGGGGACCCCAATAGCAAGGCTCTGCCTCCTTGCCCAATTCAACCAGGCGGAAC
AATATCTGGAGATCAACCCAGTCCACGGGCGGACAGAAGTTCAGGGAGGCCTGGATGCAGTTCTGGTC
AGAGACGCTCCCCAGCAAGATACAACAGTGGCACCAGAAGCAGAAGAACAGGAAGGCCAGGAGGACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231056 representing NM_001185176
Red=Cloning site Green=Tags(s)

MEQMSREDMLAISTPVLTSLDVPPEMMPTVIDEYLGNSDAQAKCQAFQEFMGDVFINVPTVSFSRYLRD
SGSPVFFYEFQHRPSSFAKIKPAWVKADHGAEGAFVFGGPFMDSESRLLAFPEATEEEKQLSLTMAQWT
HFARTGDPNSKALPPWPQFNQAEQYLEINPVPRAGQKFRFAWMQFVSETLPSKIQQWHQKQKNRKAQEDL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



[View online »](#)

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_001185176.1](#), [NP_001172105.1](#)

RefSeq Size: 3196 bp

RefSeq ORF: 633 bp

Locus ID: 23491

UniProt ID: [Q6UWW8](#)

Cytogenetics: 16q22.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They may participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This gene is expressed in several tissues, particularly in colon, trachea and in brain, and the protein participates in colon and neural drug metabolism. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported, but the biological validity and/or full-length nature of some variants have not been determined. [provided by RefSeq, Jun 2010]