

Product datasheet for RC223021L3

CES2 (NM_198061) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CES2 (NM_198061) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: CES2

Synonyms: CE-2; CES2A1; iCE; PCE-2

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC223021).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_198061

ORF Size: 1821 bp



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CES2 (NM_198061) Human Tagged Lenti ORF Clone - RC223021L3

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: 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: <u>NM 198061.1</u>, <u>NP 932327.1</u>

 RefSeq Size:
 3909 bp

 RefSeq ORF:
 1632 bp

 Locus ID:
 8824

 UniProt ID:
 000748

Cytogenetics:

Protein Families: Druggable Genome

Protein Pathways: Drug metabolism - other enzymes

16q22.1

MW: 66.9 kDa

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 bloodbrain barrier system. The protein encoded by this gene is the major intestinal enzyme and functions in intestine drug clearance. Alternatively spliced transcript variants have been

found for this gene.[provided by RefSeq, Oct 2010]