

## **Product datasheet for RC202719L3**

## OriGene Technologies, Inc.

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## Carboxypeptidase A2 (CPA2) (NM\_001869) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Carboxypeptidase A2 (CPA2) (NM\_001869) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Carboxypeptidase A2

Mammalian Cell

Selection:

Puromycin

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

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

**ORF Nucleotide** 

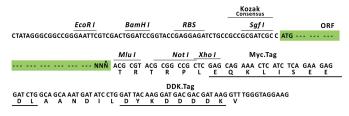
The ORF insert of this clone is exactly the same as(RC202719).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_001869 **ORF Size:** 1251 bp





## Carboxypeptidase A2 (CPA2) (NM\_001869) Human Tagged Lenti ORF Clone - RC202719L3

**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 001869.1</u>

RefSeq Size: 1342 bp
RefSeq ORF: 1260 bp
Locus ID: 1358
UniProt ID: P48052

Cytogenetics: 7q32.2

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**MW:** 46.8 kDa

**Gene Summary:** Three different forms of human pancreatic procarboxypeptidase A have been isolated. The

encoded protein represents the A2 form, which is a monomeric protein with different

biochemical properties from the A1 and A3 forms. The A2 form of pancreatic

procarboxypeptidase acts on aromatic C-terminal residues and is a secreted protein.

[provided by RefSeq, Dec 2008]