

Product datasheet for RC215170L3

OriGene Technologies, Inc.

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Carboxypeptidase Z (CPZ) (NM_003652) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Carboxypeptidase Z (CPZ) (NM_003652) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Carboxypeptidase Z

Mammalian Cell Puromycin

Selection:

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

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

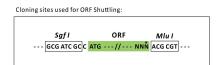
ORF Nucleotide

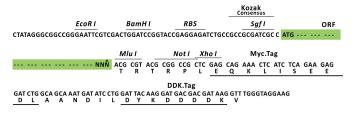
The ORF insert of this clone is exactly the same as(RC215170).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_003652 **ORF Size:** 1923 bp





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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 003652.2</u>

 RefSeq Size:
 2259 bp

 RefSeq ORF:
 1926 bp

 Locus ID:
 8532

 UniProt ID:
 Q66K79

Cytogenetics: 4p16.1

Domains: FRI, Zn_carbOpept

Protein Families: Druggable Genome, Protease, Secreted Protein

MW: 72.5 kDa

Gene Summary: This gene encodes a member of the metallocarboxypeptidase family. This enzyme displays

carboxypeptidase activity towards substrates with basic C-terminal residues. It is most active at neutral pH and is inhibited by active site-directed inhibitors of metallocarboxypeptidases. Alternative splicing in the coding region results in multiple transcript variants encoding

different isoforms. [provided by RefSeq, Jul 2008]