

Product datasheet for RC206604L3

OriGene Technologies, Inc.

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Cathepsin E (CTSE) (NM_001910) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cathepsin E (CTSE) (NM_001910) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Cathepsin E

Synonyms: CATE

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(RC206604).

Sgfl-Mlul

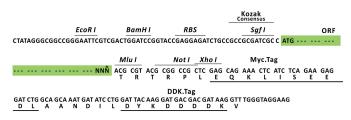
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf I ORF Mlu I

--- GCG ATC GC ATG ---//--- NNÑ ACG CGT ---



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

ACCN: NM_001910

ORF Size: 1188 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 001910.2</u>

 RefSeq Size:
 2228 bp

 RefSeq ORF:
 1191 bp

 Locus ID:
 1510

 UniProt ID:
 P14091

Cytogenetics: 1q32.1

Domains: asp

Protein Families: Druggable Genome, Protease

Protein Pathways: Lysosome MW: 42.79 kDa

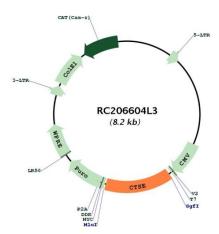
Gene Summary: This gene encodes a member of the A1 family of peptidases. Alternative splicing of this gene

results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme, an aspartic endopeptidase, may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration.

[provided by RefSeq, Nov 2015]



Product images:



Circular map for RC206604L3