

Product datasheet for RC218760L3

OriGene Technologies, Inc.

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ATP dependent metalloprotease YME1L1 (YME1L1) (NM_139312) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: ATP dependent metalloprotease YME1L1 (YME1L1) (NM_139312) Human Tagged Lenti ORF

Clone

Tag: Myc-DDK

Symbol: ATP dependent metalloprotease YME1L1

Synonyms: FTSH; MEG4; OPA11; PAMP; YME1L

Mammalian Cell

Selection:

Puromycin

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

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

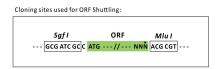
ORF Nucleotide

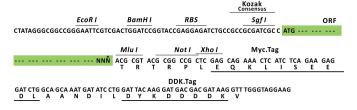
The ORF insert of this clone is exactly the same as(RC218760).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM 139312





ATP dependent metalloprotease YME1L1 (YME1L1) (NM_139312) Human Tagged Lenti ORF Clone - RC218760L3

ORF Size: 2319 bp

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.

Druggable Genome, Protease

RefSeq: <u>NM 139312.2</u>

 RefSeq Size:
 4036 bp

 RefSeq ORF:
 2322 bp

 Locus ID:
 10730

 UniProt ID:
 Q96TA2

Cytogenetics: 10p12.1

Domains: Peptidase_M41, AAA

MW: 86.3 kDa

Protein Families:

Gene Summary: The protein encoded by this gene is the human ortholog of yeast mitochondrial AAA

metalloprotease, Yme1p. It is localized in the mitochondria and can functionally complement a yme1 disruptant yeast strain. It is proposed that this gene plays a role in mitochondrial protein metabolism and could be involved in mitochondrial pathologies. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec

2011]