

## Product datasheet for RC224840L3

#### OriGene Technologies, Inc.

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## FAM105B (OTULIN) (NM\_138348) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: FAM105B (OTULIN) (NM\_138348) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: FAM105B

Synonyms: AIPDS; FAM105B; GUM

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(RC224840).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_138348

ORF Size: 1056 bp





#### FAM105B (OTULIN) (NM\_138348) Human Tagged Lenti ORF Clone - RC224840L3

**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 138348.4</u>

 RefSeq Size:
 7896 bp

 RefSeq ORF:
 1059 bp

 Locus ID:
 90268

 UniProt ID:
 Q96BN8

 Cytogenetics:
 5p15.2

**MW:** 40.1 kDa

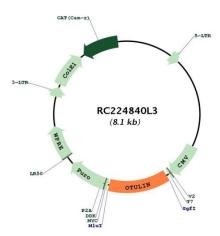
**Gene Summary:** This gene encodes a member of the peptidase C65 family of ubiquitin isopeptidases.

Members of this family remove ubiquitin from proteins. The encoded enzyme specifically recognizes and removes M1(Met1)-linked, or linear, ubiquitin chains from protein substrates. Linear ubiquitin chains are known to regulate the NF-kappa B signaling pathway in the context of immunity and inflammation. Mutations in this gene cause a potentially fatal

autoinflammatory syndrome in human patients. [provided by RefSeq, Sep 2016]



# **Product images:**



Circular map for RC224840L3