

## Product datasheet for RC202805L3

#### OriGene Technologies, Inc.

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### Pancreatic alpha amylase (AMY2A) (NM\_000699) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Pancreatic alpha amylase (AMY2A) (NM\_000699) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Pancreatic alpha amylase

Synonyms: AMY2; PA

Mammalian Cell Puromycin

Selection:

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

Sgfl-Mlul

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202805).

Sequence:

Restriction Sites: Cloning Scheme:





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_000699

ORF Size: 1533 bp



#### Pancreatic alpha amylase (AMY2A) (NM\_000699) Human Tagged Lenti ORF Clone - RC202805L3

**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 000699.2</u>

RefSeq Size:1660 bpRefSeq ORF:1536 bp

Locus ID: 279
UniProt ID: <u>P04746</u>

Cytogenetics: 1p21.1

**Domains:** alpha-amylase, Aamy\_C, Aamy

**Protein Families:** Secreted Protein

**Protein Pathways:** Metabolic pathways, Starch and sucrose metabolism

**MW:** 57.7 kDa

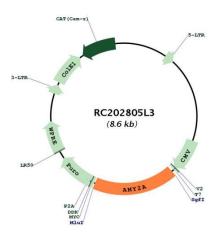
**Gene Summary:** This gene encodes a member of the alpha-amylase family of proteins. Amylases are secreted

proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, catalyzing the first step in digestion of dietary starch and glycogen. This gene and several family members are present in a gene cluster on chromosome 1. This gene encodes an

amylase isoenzyme produced by the pancreas. [provided by RefSeq, Jan 2015]



# **Product images:**



Circular map for RC202805L3