

## **Product datasheet for RC211358L3**

## 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

## HYAL1 (NM\_153282) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: HYAL1 (NM 153282) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: HYAL1

Synonyms: HYAL-1; LUCA1; MPS9; NAT6

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(RC211358).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_153282

ORF Size: 1215 bp





## HYAL1 (NM\_153282) Human Tagged Lenti ORF Clone - RC211358L3

**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 153282.1</u>

RefSeq Size: 1985 bp
RefSeq ORF: 1218 bp
Locus ID: 3373

UniProt ID: Q12794

Cytogenetics: 3p21.31

**Protein Families:** Secreted Protein

**Protein Pathways:** Glycosaminoglycan degradation, Lysosome, Metabolic pathways

**MW:** 45 kDa

**Gene Summary:** This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade

hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one

of several related genes in a region of chromosome 3p21.3 associated with tumor

suppression. Multiple transcript variants encoding different isoforms have been found for

this gene. [provided by RefSeq, Jul 2008]