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Product datasheet for RC215525L2V

HYAL1 (NM_007312) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HYAL1 (NM_007312) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HYAL1
Synonyms:	HYAL-1; LUCA1; MGC45987; NAT6
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_007312
ORF Size:	1305 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215525).
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.
RefSeq:	NM_007312.3, NP_009296.1
RefSeq Size:	2518 bp
RefSeq ORF:	1307 bp
Locus ID:	3373
Cytogenetics:	3p21.31
Domains:	Glyco_hydro_56
Protein Families:	Secreted Protein
Protein Pathways:	Glycosaminoglycan degradation, Lysosome, Metabolic pathways

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MW: 48.2 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]