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Product datasheet for RC203239L3V

HYAL3 (NM_003549) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HYAL3 (NM_003549) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HYAL3
Synonyms:	HYAL-3; LUCA-3; LUCA3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003549
ORF Size:	1251 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC203239).`
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_003549.3
RefSeq Size:	1945 bp
RefSeq ORF:	1254 bp
Locus ID:	8372
UniProt ID:	O43820
Cytogenetics:	3p21.31
Protein Families:	Secreted Protein
Protein Pathways:	Glycosaminoglycan degradation, Metabolic pathways

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MW: 47 kDa

Gene Summary: This gene encodes a member of the hyaluronidase family. Hyaluronidases are endoglycosidase enzymes that degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. The regulated turnover of hyaluronan plays a critical role in many biological processes including cell proliferation, migration and differentiation. The encoded protein may also play an important role in sperm function. This gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression, and the expression of specific transcript variants may be indicative of tumor status. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and some isoforms may lack hyaluronidase activity. This gene overlaps and is on the same strand as N-acetyltransferase 6 (GCN5-related), and some transcripts of each gene share a portion of the first exon. [provided by RefSeq, Jan 2011]