

## Product datasheet for **RC214629L3V**

### HMGA2 (NM\_003483) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

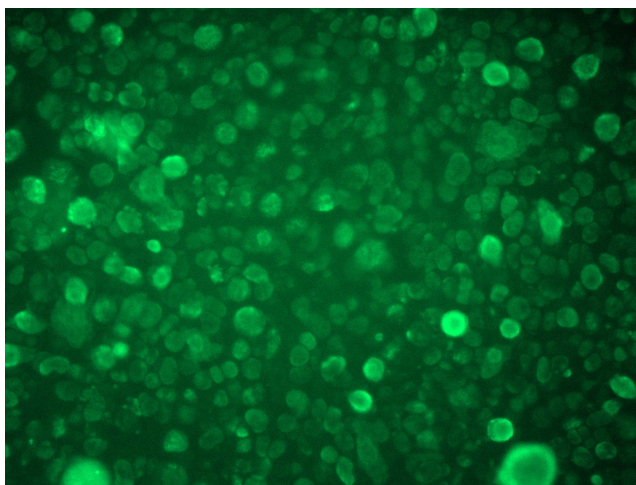
Product Type:	Lentiviral Particles
Product Name:	HMGA2 (NM_003483) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HMGA2
Synonyms:	BABL; HMGI-C; HMGIC; LIPO; SRS5; STQTL9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_003483
ORF Size:	327 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214629).
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. <a href="#">More info</a>
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:	<a href="#">NM_003483.4</a>
RefSeq Size:	4150 bp
RefSeq ORF:	330 bp
Locus ID:	8091
UniProt ID:	<a href="#">P52926</a>
Cytogenetics:	12q14.3
Protein Families:	Druggable Genome
MW:	11.7 kDa



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**Gene Summary:**

This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancosome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is involved in diet-induced obesity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

**Product images:**

[RC214629L3] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC214629L3V particle to overexpress human HMGA2-Myc-DDK fusion protein.