

## Product datasheet for **RC202412L3V**

### Monoacylglycerol Lipase (MGLL) (NM\_001003794) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Monoacylglycerol Lipase (MGLL) (NM_001003794) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Monoacylglycerol Lipase
Synonyms:	HU-K5; HUK5; MAGL; MGL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001003794
ORF Size:	909 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202412).
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_001003794.2</a> , <a href="#">NP_001003794.1</a>
RefSeq Size:	4246 bp
RefSeq ORF:	912 bp
Locus ID:	11343
UniProt ID:	<a href="#">Q99685</a>
Cytogenetics:	3q21.3
Protein Families:	Druggable Genome, Protease



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**Protein Pathways:** Glycerolipid metabolism, Metabolic pathways

**MW:** 33.3 kDa

**Gene Summary:** This gene encodes a serine hydrolase of the AB hydrolase superfamily that catalyzes the conversion of monoacylglycerides to free fatty acids and glycerol. The encoded protein plays a critical role in several physiological processes including pain and nociperception through hydrolysis of the endocannabinoid 2-arachidonoylglycerol. Expression of this gene may play a role in cancer tumorigenesis and metastasis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2012]