Product datasheet for MR207984L4V

Angpt1 (NM_009640) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Angpt1 (NM_009640) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Angpt1
Synonyms:	1110046O21Rik; an; Ang; Ang-1; Ang1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009640
ORF Size:	1497 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207984).
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_009640.3
RefSeq Size:	4316 bp
RefSeq ORF:	1497 bp
Locus ID:	11600
UniProt ID:	O08538
Cytogenetics:	15 16.69 cM

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Gene Summary:

This gene encodes a secreted glycoprotein that belongs to the angiopoietin family of vascular growth factors. The encoded protein is a ligand in the vascular tyrosine kinase signaling pathway and regulates the formation and stabilization of blood vessels. This protein also functions in striated muscles by promoting proliferation, migration and differentiation of skeletal myoblasts and plays an essential role in the vascular response to tissue injury. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2013]