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Product datasheet for RC209796L4V

TIMP2 (NM_003255) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TIMP2 (NM_003255) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TIMP2
Synonyms:	CSC-21K; DDC8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_003255
ORF Size:	660 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209796).
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_003255.4
RefSeq Size:	3670 bp
RefSeq ORF:	663 bp
Locus ID:	7077
UniProt ID:	P16035
Cytogenetics:	17q25.3
Domains:	NTR
Protein Families:	Druggable Genome, Secreted Protein

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MW: 24.4 kDa

Gene Summary: This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq, Jul 2008]