

Product datasheet for **MR221828L4V**

Cyr61 (NM_010516) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cyr61 (NM_010516) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cyr61
Synonyms:	AI325051; CCN1; Igfbp10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010516
ORF Size:	1137 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221828).
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_010516.2 , NP_034646.1
RefSeq Size:	2028 bp
RefSeq ORF:	1140 bp
Locus ID:	16007
UniProt ID:	P18406
Cytogenetics:	3 70.18 cM



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Gene Summary:

Promotes cell proliferation, chemotaxis, angiogenesis and cell adhesion. Appears to play a role in wound healing by up-regulating, in skin fibroblasts, the expression of a number of genes involved in angiogenesis, inflammation and matrix remodeling including VEGA-A, VEGA-C, MMP1, MMP3, TIMP1, uPA, PAI-1 and integrins alpha-3 and alpha-5 (By similarity). CCN1-mediated gene regulation is dependent on heparin-binding (By similarity). Down-regulates the expression of alpha-1 and alpha-2 subunits of collagen type-1 (By similarity). Promotes cell adhesion and adhesive signaling through integrin alpha-6/beta-1, cell migration through integrin alpha-1/beta-5 and cell proliferation through integrin alpha-v/beta-3 (By similarity).[UniProtKB/Swiss-Prot Function]