OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR221828

Cyr61 (NM_010516) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyr61 (NM_010516) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyr61
Synonyms:	AI325051; CCN1; Igfbp10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR221828 representing NM_010516
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCTCCAGCACCTTCAGGACGCTCGCTGTCGCCGTCACCCTTCTCCACTTGACCAGACTGGCGCTCT
CCACCTGCCCCGCCGCCTGCCACTGCCCTCTGGAGGCACCCAAGTGCGCCCCGGGAGTCGGGTTGGTCCG
GGACGGCTGCGGCTGCTGTAAGGTCTGCGCTAAACAACTCAACGAGGACTGCAGCAAAACTCAGCCCTGC
GACCACACCAAGGGGTTGGAATGCAATTTCGGCGCCAGCTCCACCGCTCTGAAAGGGATCTGCAGAGCTC
AGTCAGAAGGCAGACCCTGTGAATATAACTCCAGAATCTACCAAAACGGGGAAAGCTTCCAGCCCAACTG
TAAACACCAGTGCACATGTATTGATGGCGCCGTGGGCTGCATTCCTCTGTGTCCCCAAGAACTGTCTCTC
CCCAATCTGGGCTGTCCCAACCCCCGGCTGGTGAAAGTCAGCGGGCAGTGCTGTGAAGAGTGGGTTTGTG
ATGAAGACAGCATTAAGGACTCCCTGGACGACCAGGATGACCTCCTCGGACTCGATGCCTCGGAGGTGGA
GTTAACGAGAAACAATGAGTTAATCGCAATTGGAAAAGGCAGCTCACTGAAGAGGCTTCCTGTCTTTGGC
ACCGAACCGCGAGTTCTTTTCAACCCTCTGCACGCCCATGGCCAGAAATGCATCGTTCAGACCACGTCTT
GGTCCCAGTGCTCCAAGAGCTGCGGAACTGGCATCTCCACACGAGTTACCAATGACAACCCAGAGTGCCG
CCTGGTGAAAGAGACCCGGATCTGTGAAGTGCGTCCTTGTGGACAACCAGTGTACAGCAGCCTAAAAAAG
GGCAAGAAATGCAGCAAGACCAAGAAATCCCCAGAACCAGTCAGATTTACTTATGCAGGATGCTCCAGTG
TCAAGAAATACCGGCCCAAATACTGCGGCTCCTGCGTAGATGGCCGGTGCTGCACACCTCTGCAGACCAG
AACTGTGAAGATGCGGTTCCGATGCGAAGATGGAGAGATGTTTTCCAAGAATGTCATGATGATCCAGTCC
TGCAAATGTAACTACAACTGCCCGCATCCCAACGAGGCATCGTTCCGACTGTACAGCCTATTCAATGACA
TCCACAAGTTCAGGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

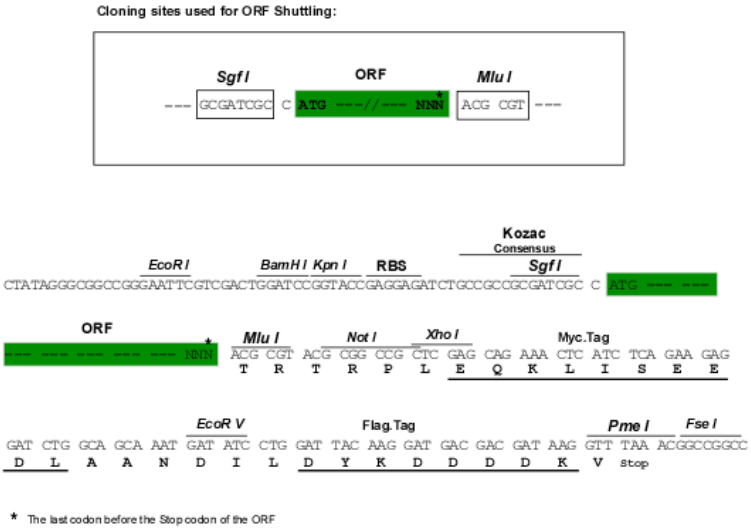
>MR221828 representing NM_010516
Red=Cloning site Green=Tags(s)

MSSSTFRTLAVAVTLLHLTRLALSTCPAACHCPLEAPKCAPGVGLVRDGCGCCKVCAKQLNEDCSKTQPC
DHTKGLECNFGASSTALKGICRAQSEGRPCEYNSRIYQNGESFQPNCKHQCTCIDGAVGCIPLCPQELSL
PNLGCPNPRLVKVSGQCCEEWVCDEDSIKDSLDDQDDLLGLDASEVELTRNNELIAIGKGSSLKRLPVFG
TEPRVLFNPLHAHGQKCIVQTTSWSQCSKSCGTGISTRVTNDNPECRLVKETRICEVRPCGQPVYSSLKK
GKKCSKTKKSPEPVRFTYAGCSSVKKYRPKYCGSCVDGRCCTPLQTRTVKMRFRCEDGEMFSKNVMMIQS
CKCNYNCPHPNEASFRLYSLFNDIHKFRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010516

ORF Size: 1137 bp

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_010516.2, NP_034646.1

RefSeq Size: 2028 bp

RefSeq ORF: 1140 bp

Locus ID: 16007

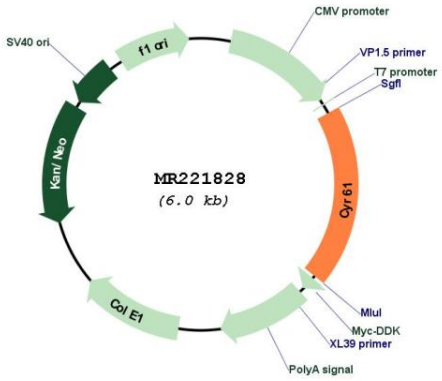
UniProt ID: P18406

Cytogenetics: 3 70.18 cM

MW: 42.2 kDa

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]

Product images:



Circular map for MR221828