

Product datasheet for MC208761

Cyr61 (NM_010516) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyr61 (NM_010516) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyr61
Synonyms:	AI325051; CCN1; Igfbp10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208761 representing NM_010516 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCCAGCACCTTCAGGACGCTCGTGTGCGCGTCAACCCTCTCCACTTGACCAGACTGGCGCTCT
CCACCTGCCCCGCGCTGCCACTGCCCTCTGGAGGCACCAAGTGCGCCCGGGAGTCGGGTTGGTCCG
GGACGGCTGCGGCTGCTGAAGGTCTGCGCTAAACAACCAACGAGGACTGCAGCAAACTCAGCCCTGC
GACCACACCAAGGGTTGAATGCAATTCGGCGCCAGCTCCACCCTCTGAAAGGGATCTGCAGAGCTC
AGTCAGAAAGCAGACCCTGTGAATATAACTCCAGAATCTACAAAACGGGAAAGCTTCCAGCCAACTG
TAAACACCAGTGACATGTATTGATGGCGCCGTGGGCTGATTCCCTCTGTGTCCCAAGAACTGTCTCTC
CCCAATCTGGGCTGTCCCAACCCCGGCTGGTGAAGTACGCGGGCAGTGTGTGAAGAGTGGGTTGTG
ATGAAGACAGCATTAAAGGACTCCCTGGACGACCAGGATGACCTCCTCGGACTCGATGCCTCGGAGGTGGA
GTTAACGAGAAACAATGAGTTAATCGCAATTGGAAAAGGCAGCTCACTGAAGAGGCTTCTGTCTTTGGC
ACCGAACCAGGAGTCTTTTCAACCCTCTGCACGCCATGGCCAGAAATGCATCGTTTCAGACCAGTCTT
GGTCCCAGTGCTCCAAGAGCTGCGGAACGGCATCTCCACACGAGTTACCAATGACAACCCAGAGTGCCG
CCTGGTGAAGAGACCCGGATCTGTGAAGTGCCTCCTTGTGGACAACAGTGTACAGCAGCCTAAAAAG
GGCAAGAAATGCAGCAAGACCAAGAAATCCCAAGAACAGTCAAGTTTACTTATGCAGGATGCTCCAGTG
TCAAGAAATACCGGCCAAATACTGCGGCTCCTGCGTAGATGGCCGGTGTGCACACCTCTGCAGACCAG
AACTGTGAAGATGCGGTTCCGATGCGAAGATGGAGAGATGTTTTCCAAGAAATGTCATGATGATCCAGTCC
TGCAAATGTAACATAACTGCCCGCATCCAACGAGGCATCGTTCCGACTGTACAGCCTATTCAATGACA
TCCACAAGTTCAGGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_010516
Insert Size:	1140 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	BC066019 , AAH66019
RefSeq Size:	2045 bp
RefSeq ORF:	1140 bp
Locus ID:	16007
UniProt ID:	P18406
Cytogenetics:	3 70.18 cM
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]