

Product datasheet for SC112041

Multimerin 2 (MMRN2) (NM_024756) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Multimerin 2 (MMRN2) (NM_024756) Human Untagged Clone
Tag:	Tag Free
Symbol:	Multimerin 2
Synonyms:	EMILIN-3; EMILIN3; ENDOGLYX-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112041 sequence for NM_024756 edited (data generated by NextGen Sequencing)

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ATGATCCTGAGCTTGCTGTTTCAGCCTTGGGGGCCCTGGGCTGGGGCTGCTGGGGCA
TGGGCCAGGCTTCCAGTACTAGCCTCTCTGATCTGCAGAGCTCCAGGACACCTGGGGTC
TGAAGGCAGAGGCTGAGGACACCGCAAGGACCCGTTGGACGTAAGTGGTGCCTTAC
CCAATGTCCAAGCTGGTACCTTACTAGCTCTTTGCAAAACAGAGAAATTCCTCATCCAC
TCGCAGCAGCCGTGCCGAGGGAGCTCCAGACTGCCAGAAAGTCAAAGTCATGTACCGC
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TGCTGCCCTGGCTACACGGGCCCAACTGCGAGCACCACGATTCCATGGCAATCCCTGAG
CCTGCAGATCCTGGTACAGCCACCAGGAACCTCAGGATGGACCAGTCACTTCAAACCT
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CCTGATAGATCCTTGGAGCAGGTGCTGCTACCCACGTGGACACCTTCTACAAGTGCAT
TTCAGCCCATCTGGAGGAGCTTTAACCAGGCTGCACAGCCTTACCCAGGCCATAAGA
AACCTGTCTCTTGACGTGGAGGCCAACCACCAGGCCATCTCCAGAGTCCAGGACAGTGCC
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CTGGACGTCATCCGGGAGGGCCAGAGGGACGCCACGCGTGCCCTGGAGGAGACCCAGGTG
 AGCCTGGACGAGCGGGCGGACGCTGGACGGCTCCTCCCTGCAGGCCCTGCAGAACGCCGTG
 GACGCCGTGTCGCTGGCCGTGGACGCGCACAAAGCGGAGGGGAGCGGGCGGGCGGGCC
 ACGTCGCGGCTCCGGAGCCAAGTGCAGGCGCTGGATGACGAGGTGGGCGCGCTGAAGGCG
 GCCGCGGCGGAGGCCGCCACGAGGTGCGCCAGCTGCACAGCGCCTTCGCCGCCCTGCTG
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 GGGCAGGGGAGTGAAGCACAGCAACGGTCTTTGCCATGGCTGAGCTGCAGAAGGGTGAG
 CGAGTATGGTTTGTAGTTAACCCAGGGATCAATAACAAAGAGAAGCCTGTGGGCACTGCA
 TTTGGGGCTTCTGATGTTTAAGACCTGA

Clone variation with respect to NM_024756.2
 809 g=>a;2191 c=>g

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_024756 unedited
 TCAGCATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGCCAAGGCT
 GAGTGTGAGCTGAGCCTGCCCCACCACCAAGATGATCCTGAGCTTGTGTTTCAGCCTTGG
 GGGCCCCCTGGGCTGGGGCTGCTGGGGCATGGGCCAGGCTTCCAGTACTAGCCTCTC
 TGATCTGCAGAGCTCCAGGACACCTGGGGTCTGGAAGGCAGAGGCTGAGGACACCGGCAA
 GGACCCGTTGGACGTAACCTGGTCCCCTACCCAATGTCCAAGCTGGTACCTTACTAGC
 TCTTTGCAAAACAGAGAAATTCCTCATCCACTCGCAGCAGCCGTGTCCGACGGGAGCTCC
 AGACTGCCAGAAAGTCAAAGTCAATGACCGCATGGCCACAAGCCAGTGTACCAGGTCAA
 GCAGAAGGTGCTGACCTCTTTGGCCTGGAGGTGCTGCCCTGGCTACACGGGCCCCAACTG
 CGAGCACCACGATTCCATGGCAATCCCTGAGCCTGCAGATCCTGGTGACAGCCACCAGGA
 ACCTCAGGATGGACCAGTCAGCTTCAAACCTGGCCACCTTGTGTCAGTGTCAATGAGGT
 TGAGGTGCAACAGGAACAGCAGGAACATCTGCTGGGAGATCTCCAGAATGATGTGACCCG
 GGTGGCAGACAGCCTGCCAGGCCTGTGGAAGCCCTGCCTGGTAACTCAGCTGCACT
 GATGGAAGCAAATCANACAGGGCACGAGTTCCTGATAGATCCTTGGAGCANGTGTGCT
 ACCCCACGTGGACACCTTCTACAGTGCANTTACGCCCATCTGGAGGAGCTTAACCAA
 GCCTGCACAGCCTTACCCAGCCATAAGAAACCTGTCTCTTGGAGTGGAGGGCAACCCAC
 CAGGCATCTCAGAGTCCAGACAGTGCCGTGCCAGGCTGACTTNCAGAGCTTNTGCC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024756 unedited ACCTGGGTTAGGAAACGGGATTTAATGTGTCTCACTGAAACCCATGGNCTGGGGGAGGCC TCAGGTATAACTTACAATCATGGCAGACAGTGAAGAGGAACCAAGGCATCTTCACAAGGT GGCAGGAAGGAGAATGAACACAGGAGGAATCAAACTATAAAATCATCAGGTCTCGT GAGAACTATCACAGAACAGCATGGGGGAACCGCCCCATTATCAATTACCTCCACCTGA TCTCTCCCTTGATGTGGGGATTATAGGGATTACAATTCAAGATGATATTTTAGGTGGGGG CACAGCTAAACCATATCCTACAAGGAATGACTGAACTAAAGATACTAATTTCTTTCCC TTGGTTGGCCAGGCTGTGTCTTCACTACTGACTAATAGAGACCAAGCAGGTTGGTTAA TCCATTGCCCTCTAGTGCTTTCCAATGTTGGCCAAAATGTTGCCTCCATTTTAAACATT CCTCCTGGGGAAGAATGTCTTTCTATCATACGATAAGGGAGAAGAGAAGAGGAAGCAAGA GAAAAGTTTAAAGTGTGTACAGAAGTTTCCAACCACAGGAGGAGCAAAACACCAAAAGAA GTTGTAGAATACAGGGTGTGGTGAAGAGTTGGAGCCCAAGCCGTGCTGTGAAAAAGCA TGCCAAGCCAAGGTTCAAGCTTTCTAGGACCATGTCCTTGCCGAAAAGCATTCCGTTCC TTCTCATCTGGGAAAAATGGCCAAGCCCCAGGTGGTTACGGGGGAAGCCACGTACACCAC CCCATTCTTTGAAAAGGGTTTCCAGGGGAAGAAACAGACCCCTTGAATGACCTCCAGCCA TTGCTTGGCCAAAGCCCCAGGGCGAGAAAACGGGCGAATCCATGAGTGCTGATCAAAT GGGCTTGGGTTTCAGTCTTAAACAATGGAACCCCCAAAGGCCTGGGCCAG
Restriction Sites:	NotI-NotI
ACCN:	NM_024756
Insert Size:	3900 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:	NM_024756.1 , NP_079032.1
RefSeq Size:	3828 bp
RefSeq ORF:	2850 bp
Locus ID:	79812
UniProt ID:	Q9H8L6
Cytogenetics:	10q23.2
Domains:	C1Q
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes a protein belonging to the member of elastin microfibril interface-located (EMILIN) protein family. This family member is an extracellular matrix glycoprotein that can interfere with tumor angiogenesis and growth. It serves as a transforming growth factor beta antagonist and can interfere with the VEGF-A/VEGFR2 pathway. A related pseudogene has been identified on chromosome 6. [provided by RefSeq, Aug 2012]