

Product datasheet for **SC118659**

Midkine (MDK) (NM_002391) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Midkine (MDK) (NM_002391) Human Untagged Clone
Tag:	Tag Free
Symbol:	Midkine
Synonyms:	ARAP; MK; NEGF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118659 sequence for NM_002391 edited (data generated by NextGen Sequencing) ATGCAGCACCGAGGCTTCTCCTCCTCACCTCCTCGCCCTACTGGCGCTCACCTCCGCG GTCGCCAAAAAGAAAGATAAGGTGAAGAAGGGCGCCCGGGAGCGAGTGCCTGAGTGG GCCTGGGGGCCCTGCACCCAGCAGCAAGGATTGCGGCGTGGGTTTCCGCGAGGGCACC TGCGGGGCCAGACCCAGCGCATCCGGTGCAGGGTGCCCTGCAACTGGAAGAAGGAGTTT GGAGCCGACTGCAAGTACAAGTTTGAGAACTGGGGTGCCTGTGATGGGGGCACAGGCACC AAAGTCCGCCAAGGCACCCTGAAGAAGGCGCGCTACAATGCTCAGTGCCAGGAGACCATC CGCGTCACCAAGCCCTGCACCCCAAGACCAAAGCAAAGGCCAAAGCAAAGGGAAG GGAAAGGACTAG Clone variation with respect to NM_002391.3 42 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002391 unedited NATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGGAGCGAAGC AGCGCGGGCAGCGAGCGAGATGCAGCACCGAGGCTTCTCCTCCTCACCCCTCCTCGCCCT ACTGGCGCTCACCTCCGCGGTCCGCAAAAAGATAAGGTGAAGAAGGGCGGCCCGGG GAGCGAGTGCCTGAGTGGGCTGGGGCCCTGCACCCCAGCAGCAAGGATTGCGGCGT GGGTTTCCGCGAGGGCACCTGCGGGGCCAGACCCAGCGCATCCGGTGCAGGGTGCCCTG CAACTGGAAGAAGGAGTTTGGAGCCGACTGCAAGTACAAGTTTGAAGACTGGGGTGCCTG TGATGGGGCACAGGCACCAAGTCCGCAAGGCACCCTGAAGAAGGCGCGCTACAATGC TCAGTGCCAGGAGACCATCCGCGTCACCAAGCCCTGCACCCCAAGACCAAGCAAGGC CAAAGCCAAGAAAGGAAAGGAAAGGACTAGACGCCAAGCCTGGATGCCAAGGAGCCCT GGTGTACATGGGGCCTGGCCACGCCCTCCCTCTCCAGGCCGAGATGTGACCCACCA GTGCCTTCTGCTGCTGTTAGCTTTAATCAATCATGCCCTGCCTTGTCCCTCTCACTCC CCAGCCCCACCCCTAAGTGCCAAAGTGGGAGGGACAAGGGATTCTGGGAAGCTTGAGC CTCCCCAAGCATGTGAGTCCCAGAGCCGCTTTTGTCTTCCCCACATTNCCTTACTAAG AACTCAAATAAACTGACTTTTTTCCCCAAAAAANAANAACCTCGCTCTAGATTGCG NCGCGTCATAGCTGTTTCTGAACAAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002391 unedited CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTGGGGGAAAAATCAGTTTA TTTGATGTGTTTCTTAGTAAATGGAATTGTGGGAAGAACAAGCGGGCTCTGGGACTCA CATTGCTTTGGGGAGGCTCAAGCTTCCAGAATCCCTTGTCCCTCCCCACTTTGGGCAC TTAAGGGTGGGGTGGGAGTGAGAGGGACAAGGCAGGGCATGATTGATTAAGCTAACG AGCAGACAGAAGGCACTGGTGGGTACATCTCGGCCCTGGGAGAGGGAGGGCGTGGGCCA AGCCCCATGTGACACCAGGGGCTCCTTGGCATCCAGGCTTGGCGTCTAGTCTTTCCCTT CCCTTTCTTGGCTTTGGCCTTTGCTTTGGTCTTGGGGTGCAAGGCTTGGTGACGCGGAT GGTCTCCTGGCACTGAGCATTGTAGCGGCCTTCTCAAGGTGCCTTGGCGGACTTTGGT GCCTGTGCCCCATCACACGCACCCAGTTCTCAAAGTGTACTTGCAGTCGGCTCCAAA CTCCTTCTCCAGTTGCAGGGCACCCCTGCACCGGATGCGCTGGGTCTGGGCCCGCAAGT GCCCTCGCGAAACCCACGCCGAATCCTTGTCTGCTGGGGTGCAAGGCCCCAGGCCA CTCAGNGCACTCGCTCCCCGGCCGCTTCTTACCTTATCTTTCTTTTGGCGACCGC GGATGTGATCGCACTATGGCCAAGAAGGTGATGAAGAGGAAACCTTGGTGTGCATCTC GCTCGCTGCCCGCCTGCTTGTCTCCCCGTGCCGAATTCCGGGCGCCCTTAGTGAGT CGTATTACAAATTCTGAGGGTACTAACGAGCTCTGCTTATTAGACCTCCACGTAACGCC TACCCATTTGTAACGGGGCGGGTATTACAACATTGG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002391
Insert Size:	750 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_002391.3 , NP_002382.1
RefSeq Size:	866 bp
RefSeq ORF:	432 bp
Locus ID:	4192
UniProt ID:	P21741
Cytogenetics:	11p11.2
Domains:	PTN
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Gene Summary:	<p>This gene encodes a member of a small family of secreted growth factors that binds heparin and responds to retinoic acid. The encoded protein promotes cell growth, migration, and angiogenesis, in particular during tumorigenesis. This gene has been targeted as a therapeutic for a variety of different disorders. Alternatively spliced transcript variants encoding multiple isoforms have been observed. [provided by RefSeq, Jul 2012]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4, and 5 encode the same isoform (a).</p>