

Product datasheet for **SC319913**

Midkine (MDK) (NM_001012333) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Midkine (MDK) (NM_001012333) Human Untagged Clone
Tag:	Tag Free
Symbol:	Midkine
Synonyms:	ARAP; MK; NEGF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001012333.1
 GCGGGAGGGAGCGAAGCAGCGCGGGCAGCGAGCGAGATGCAGCACCGAGGCTTCCTCCTC
 CTCACCCCTCCTCGCCCTGCTGGCGCTCACCTCCGCGGTCGCCAAAAGAAAGATAAAGGTG
 AAGAAGGGCGGCCCGGGGAGCGAGTGCGCTGAGTGGGCCTGGGGGCCCTGCACCCCCAGC
 AGCAAGGATTGCGGCGTGGGTTTCCGCGAGGGCACCTGCGGGGCCAGACCCAGCGCATC
 CGGTGCAGGGTGCCTGCAACTGGAAGAAGGAGTTGGAGCCGACTGCAAGTACAAGTTT
 GAGAACTGGGGTGCCTGTGATGGGGCACAGGCACCAAAGTCCGCCAAGGCACCCCTGAAG
 AAGGCGCGCTACAATGCTCAGTGCCAGGAGACCATCCGCGTCACCAAGCCCTGCACCCCC
 AAGACCAAAGCAAAGGCCAAAGCCAAGAAAGGGAAGGAAAGGACTAGACGCCAAGCCTG
 GATGCCAAGGAGCCCTGGTGTACATGGGGCCTGGCCCACGCCCTCCCTCTCCCAGGCC
 CGAGATGTGACCCACCAGTGCCTTCTGTCTGCTCGTTAGCTTTAATCAATCATGCCCTGC
 CTTGTCCCTCTCACTCCCAGCCCCACCCTAAGTGCCCAAAGTGGGGAGGGACAAGGGA
 TTCTGGGAAGCTTGAGCCTCCCCCAAAGCAATGTGAGTCCCAGAGCCCGCTTTTGTCTT
 CCCCAATTCCATTACTAAGAAACACATCAAATAAACTGACTTTTTTCCCCCAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001012333

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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001012333.1</u> , <u>NP_001012333.1</u>
RefSeq Size:	909 bp
RefSeq ORF:	432 bp
Locus ID:	4192
UniProt ID:	<u>P21741</u>
Cytogenetics:	11p11.2
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 (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4, and 5 encode the same isoform (a).</p>