

Product datasheet for **SC332975**

Midkine (MDK) (NM_001270550) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Midkine (MDK) (NM_001270550) Human Untagged Clone
Tag: Tag Free
Symbol: Midkine
Synonyms: ARAP; MK; NEGF2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332975 representing NM_001270550.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCAGCACCGAGGCTTCCTCCTCCTCACCTCCTCGCCCTGCTGGCGCTCACCTCCGCGGTCGCCAAA  
AAGAAAGATAAGGTGAAGAAGGGCGCCCGGGGAGCGAGTGCGCTGAGTGGGCCTGGGGCCCTGCACC  
CCCAGCAGCAAGGATTGCGGCGTGGGTTTCCGCGAGGGCACCTGCGGGGCCAGACCCAGCGCATCCGG  
TGCAGGGTGCCCTGCAACTGGAAGAAGGAGTTTGGAGCCGACTGCAAGTACAAGTTTGAGAACTGGGGT  
GCGTGTGATGGGGGCACAGGCACCAAAGTCCGCCAAGGCACCCTGAAGAAGGCGCGCTACAATGCTCAG  
TGCCAGGAGACCATCCGCGTCACCAAGCCCTGCACCCCAAGACCAAAGCAAAGGCCAAAGCCAAAGAAA  
GGGAAGGAAAGGACTAG
```

Restriction Sites: SgfI-MluI
ACCN: NM_001270550
Insert Size: 432 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).



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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_001270550.1](#)

RefSeq Size: 1194 bp

RefSeq ORF: 432 bp

Locus ID: 4192

UniProt ID: [P21741](#)

Cytogenetics: 11p11.2

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

MW: 15.6 kDa

Gene Summary: 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]
Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 1. Variants 1, 2, 3, 4, and 5 encode the same isoform (a).