

Product datasheet for **SC308532**

PADI6 (NM_207421) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PADI6 (NM_207421) Human Untagged Clone
Tag:	Tag Free
Symbol:	PADI6
Synonyms:	hPADVI; PREMBL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC308532 representing NM_207421.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTCAGCGTGGAGGGCCGAGCCATGTCCTTCCAGAGTATCATCCACCTGTCCCTGGACAGCCCTGTC
CATGCCGTTTGTGTGTTGGGCACAGAAATCTGCTTGGATCTCAGCGGGTGTGCCCCAGAAAGTCCAG
TGCTTACCATCCATGGCTCTGGGAGGGTCTTGATCGATGTGCCAACACGGTGATTTCTGAGAAGGAG
GACGCCACCATCTGGTGGCCCTGTCTGATCCACGTACGCCACAGTGAAGATGACATCGCCAGCCCT
TCCGTGGATGCGGATAAGGTCTCGGTACATACTATGGGCCAACGAGGATGCCCCGTGGGCACAGCT
GTGCTGTACCTACTGGCATTGAGGTCTCTAGAGGTAGACATCTACCGCAATGGGCAAGTTGAGATG
TCAAGTGACAAACAGGCTAAGAAAAATGGATCTGGGGTCCCAGCGGTTGGGGTGCCATCCTGCTTGTG
AATTGCAACCCTGCTGATGTGGCCAGCAACTGAGGACAAGAAAACCAAGAAAGTATCTTTTCAGAG
GAAATAACGAATCTGTCCAGATGACTCTGAATGTCCAAGCCCCAGCTGTATCTTAAAGAAATATCGG
CTAGTCTCCATACCTCCAAGGAAGAGTGAAGAAAGGCGAGAGTCTACTGGCCCCAAAAGACAACCTCC
AGTACCTTTGAGTTGGTGTCTGGGCCCGACAGCACGCCTATACCTTGGCCCTCCTCGGGAACCACTTG
AAGGAGACTTTCTACGTTGAAGCTATAGCATTCCCATCTGCCGAATTTCTCAGGCCTCATCTCCTACTCT
GTGTCCCTGGTGGAGGAGTCTCAAGACCCGTCAATTCCAGAGACTGTGCTGTACAAAGACACGGTGGTG
TTCCGGGTGGCTCCCTGTGTCTTCACTCCCTGTACCCAGGTGCCTCTGGAGGTTTACCTGTGCAGGGAG
CTGCAGCTGCAGGGTTTTGTGGACACAGTGACGAAGCTGAGTGAGAAGAGCAACAGCCAGGTGGCATCT
GTCTATGAGGACCCCAACCGCTGGGCAGGTGGCTCCAGGATGAGATGGCCTTCTGCTACACCCAGGCT
CCCCACAAGACAACGTCCTTGATCTCGACACACCTCAGGCCCGCGATCTCGATGAGTTCCCATGAAG
TACTACTGAGCCCTGGTATTGGCTACATGATCCAGGACTGAGGACCATAAAGTGCCAGCAGATGGAT
TCCATTGGGAACCTGATGGTGTCCCCACCTGTCAAGGTCCAAGGAAAGAGTACCCGCTGGGCAGAGTC
CTCATTGGCAGCAGCTTTTACCCAGCGCAGAGGGCCGGGCCATGAGTAAGACCTTCCGAGACTTCTC
TATGCCAGCAGGTTCCAAGCGCCGGTGGAGCTCTACTCAGATTGGCTAATGACTGGCCACGTGGATGAG
TTCATGTGCTTCACTCCACAGATGACAAGAATGAGGGCAAAAAGGGCTTCTGCTGCTCCTGGCCAGC
CCCAGTGCCTGCTATAAACTGTTCCGAGAGAAACAGAAGGAAGGCTATGGCGACGCTTCTGTTTGTG
GAGCTTAGAGCAGATCAGCTCCTGTCTAATGGAAGGGAAGCCAAAACCATCGACCAACTTCTGGCTGAT
GAAAGCCTGAAGAAGCAGAATGAATACGTGGAGAAGTGCATTACCTGAACCGTGACATCCTGAAGACG
GAGCTGGGCTGGTGGAAACAGGACATCATCGAGATTCCCAGCTGTTCTGCTTGGAGAAGCTGACTAAC
ATCCCCTCTGACCAGCAGCCCAAGAGGTCCTTTGCGAGGCCATACTTCCCTGACCTGTTGCGGATGATT
GTGATGGGCAAGAACCTGGGGATCCCCAAGCCTTTTGGGCCCAAATCAAGGGGACCTGCTGCCTGGAA
GAAAAGATTTGCTGCTTGTGGAGCCCCTGGGCTTCAAGTGCACCTTCAATCAATGACTTTGACTGTTAC
CTGACAGAGGTCGGAGACATCTGTGCCTGTGCCAACATCCGCCGGGTGCCCTTTGCCCTCAAATGGTGG
AAGATGGTACCTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

Restriction Sites: SgfI-MluI
Plasmid Map: □
ACCN: NM_207421
Insert Size: 2085 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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_207421.4
RefSeq Size:	2396 bp
RefSeq ORF:	2085 bp
Locus ID:	353238
UniProt ID:	Q6TGC4
Cytogenetics:	1p36.13
MW:	77.7 kDa
Gene Summary:	<p>This gene encodes a member of the peptidyl arginine deiminase family of enzymes, which catalyze the post-translational deimination of proteins by converting arginine residues into citrullines in the presence of calcium ions. The family members have distinct substrate specificities and tissue-specific expression patterns. This protein may play a role in cytoskeletal reorganization in the egg and in early embryo development. [provided by RefSeq, Sep 2012]</p>