

Product datasheet for **SC106149**

PADI4 (AF229067) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PADI4 (AF229067) Human Untagged Clone
Tag:	Tag Free
Symbol:	PADI4
Synonyms:	PAD; PAD4; PADI5; PDI4; PDI5
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for AF229067, the custom clone sequence may differ by one or more nucleotides

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ATGGCCAGGGGACATTGATCCGTGTGACCCAGAGCAGCCACCCATGCCGTGTGTGCTGGGCACCT
TGACTCAGCTTGACATCTGCAGCTCTGCCCTGAGGACTGCACGTCTTCAGCATCAACGCCTCCCCAGG
GGTGGTCGTGGATATTGCCACAGCCCTCCAGCCAAGAAGAAATCCACAGGTTCTCCACATGGCCCTG
GACCTGGGGTAGAGGTGACCTGACGATGAAAGCGGCCAGTGGTAGCACAGGCGACCAGAAGGTTCAGA
TTTCATACTACGGACCCAAGACTCCACCAGTCAAAGCTCTACTCTACCTCACCGCGGTGGATGGAGTCTC
ACCCTGTCACCCAGGCTGGAGTGCAATGCATGATCTCGCTCACTGCAACCTGCGTCTCCAGTTCAAGCG
ATCCTCTGCTTCAGCGTCCCTAGTAGCTGGACTACAGGCGCTTGCCACCACGCCTGGCTAATTTTTGTAT
TTTTAGTAGAGATGGAGTTTCACCATGTTGCCAGGCTGGTCTCGAACTTCTGACCTCAGGTGATCTGCC
TGCCTCAGGCTCCCAAAGTGCTCGGATTACTGGCATGAACCACTGCGCCAGGCCCTCTATCTTTTTGATC
CTCAAATATCTCTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for AF229067 unedited TTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGCCGACGATGGCCCAGG GGACATTGATCCGTGTGACCCCAGAGCAGCCACCCATGCCGTGTGTGTGCTGGGCACCT TGACTCAGCTTGACATCTGCAGCTCTGCCCTGAGGACTGCACGTCTTCAGCATCAACG CCTCCCCAGGGGTGGTCGTGGATATTGCCACAGCCCTCCAGCCAAGAAGAAATCCACAG GTTCTCCACATGGCCCCGAACCCTGGGGTAGAGGTGACCCTGACGATGAAAGCGGCCA GTGGTAGCACAGGCGACCAGAAGGTTTCAGATTTCACTACGGACCCAAGACTCCACCAG TCAAAGCTCTACTCTACCTCACCGCGGTGAAATCTCCCTGTGCGCAGACATCACCCGCA CCGGCAAAGTGAAGCCAACCAGAGCTGTGAAAGATCAGAGGACCTGGACCTGNGGCCCTT GTGGACAGGGTGCCATCCTGCTGGTGAAGTGTGACAGAGACAATCTCGAATCTTCTGCCA TGGACTGCGAGGATGATGAAGTGTGACAGCGAAGACCTGCAGGACATGTCGCTGATGA CCCTGAGCAGGAAGACCCCAAGGACTTCTTCACAAACCATACTGGTGTCCACGTGG CCCAGTCTGAGATGGACAAAGTGAAGGTGTTTCAGGCCACACGGNGCANACTGTCCTNCA GTGCAGCGTAGTCTTGGGGTCCCAAGTGCCTCTCCTACCTGATGGTCCNCGTGAAAGC ACACATGGACTTCTACGTGGAGGCCCTCGCTTTCCCGACACCGACNTTCCGNGCTCATA CCTACCATCTCCTGCTGGAACGTNCAACCTGAGCTCCCGAGCTGTGTGCCAGACAGCG TGCTTTNCCGTGCGCCCTGGATATGACCCACACCAGCCCGCGAGAGTGACCGTGCAGA TTTTTGAATGAGACTNCTGAATCATGACTCTCCATGAAGCAGGCAGCTACC
Restriction Sites:	NotI-NotI
ACCN:	AF229067
Insert Size:	2500 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:	AF229067.1 , AAF82265.1
RefSeq Size:	832 bp
RefSeq ORF:	645 bp
Locus ID:	23569
Cytogenetics:	1p36.13
Domains:	PAD

Gene Summary:

This gene is a member of a gene family which encodes enzymes responsible for the conversion of arginine residues to citrulline residues. This gene may play a role in granulocyte and macrophage development leading to inflammation and immune response. [provided by RefSeq, Jul 2008]