

Product datasheet for SC127277

PEDF (SERPINF1) (M76979) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PEDF (SERPINF1) (M76979) Human Untagged Clone
Tag:	Tag Free
Symbol:	PEDF
Synonyms:	EPC-1; OI6; OI12; PEDF; PIG35
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127277 sequence for M76979 edited (data generated by NextGen Sequencing)

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ATGCAGGCCCTGGTACTCCTCTGCATTGGAGCCCTCCTCGGGCACAGCAGCTGCCAG
AACCCCTGCCAGCCCCCGAGGAGGGCTCCCCAGACCCCGACAGCACAGGGCGCTGGTG
GAGGAGGAGGATCCTTTCTCAAAGTCCCCGTGAACAAGCTGGCAGCGGTGTCTCCAAC
TTCGGCTATGACCTGTACCGGTGCGATCCAGCACGAGCCCCACGACCAACGTGCTCCTG
TCTCCTCTCAGTGTGGCCACGGCCCTCTCGGCCCTCTCGTGGGAGCGGANNAGCGAACA
GAATCCATCATTACCGGGCTCTACTATGACTTGATCAGCAGCCAGACATCCATGGT
ACCTATAAGGAGCTCCTTGACACGGTCACTGCCCCCAGAAGAACCTCAAGAGTGCCTCC
CGGATCGTCTTTGAGAAGAAGCTGCGCATAAAATCCAGCTTTGTGGCACCTCTGAAAAAG
TCATATGGGACCAGGCCAGAGTCTGACGGGCAACCCTCGCTTGGACCTGCAAGAGATC
AACAACTGGGTGCAGGCGCAGATGAAAGGGAAGCTCGCCAGGTCCACAAAGGAAATCC
GATGAGATCAGCATTCTCCTTCTCGGTGTGGCGCACTTCAAGGGGCAAGTGGGTAACAAAG
TTTGACTCCAGAAAGACTTCCCTCGAGGATTTCTACTTGGATGAAGAGAGGACCGTGAGG
GTCCCCATGATGTGCGGACCCTAAGGCTGTTTTACGCTATGGCTTGGATTGAGATCTCAGC
TGCAAGATTGCCAGCTGCCCTTGACCGGAAGCATGAGTATCATCTTCTCCTGCCCTG
AAAGTGACCCAGAATTTGACCTTGATAGAGGAGAGCCTCACCTCCGAGTTCATTCATGAC
ATAGACCGAGAAGTGAAGACCGTGCAGGCGGTCTCACTGTCCCCAAGCTGAAGCTGAGT
TATGAAGGCGAAGTCACCAAGTCCCTGCAGGAGATGAAGCTGCAATCCTTGTGTTGATTCA
CCAGACTTTAGCAAGATCACAGGCAAACCCATCAAGCTGACTCAGGTGGAACACCGGGCT
GGCTTTGAGTGGAAACGAGGATGGGGCGGGAACCCCCAGCCAGGGCTGCAGCCTGCC
CACCTCACCTTCCGCTGGACTATCACCTTAACCAGCCTTTCATCTTCGTAAGGAGGAC
ACAGACACAGGGGCCCTTCTCTTATTGGCAAGATTCTGGACCCAGGGGCCCTAA

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Clone variation with respect to M76979.1
215 t=>c;291 c=>n;292 g=>n;444 r=>g;963 c=>t



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5' Read Nucleotide Sequence:

>OriGene 5' read for M76979 unedited
 TTTTGTAAACGACTTACTATAGGGCGGCCGGAATTCGGCACAGGGGGTGTGGAGCTG
 CAGCGTATCCACAGGCCCCAGGATGCAGGCCCTGGTGCTACTCCTCTGCATTGGAGCCCT
 CCTCGGGCACAGCAGCTGCCAGAACCCTGCCAGCCCCCGGAGGAGGGTCCCCAGACCC
 CGACAGCACAGGGGCGCTGGTGGAGGAGGATCCTTTCTTCAAAGTCCCCGTGAACAA
 GCTGGCAGCGGCTGTCTCAACTTCGGCTATGACCTGTACCGGGTGGCATCCAGCACGAG
 CCCCACGACCAACGTGCTCCTGTCTCCTCAGTGTGGCCAGGCCCTCTCGGCCCTCTC
 GCTGGGAGCGGAGCAGCGAACAGAATCCATCATTACCGGGCTCTCTACTATGACTTGAT
 CAGCAGCCAGACATCCATGGTACCTATAAGGAGCTCCTTGACACGGTCACTGCCCCCA
 GAAGAACCTCAAGAGTGCCTCCCGATCGTCTTTGAGAAGAAGCTGCGCATAAAATCCAG
 CTTTGTGGCACCTCTGGAAAAGTCATATGGGACCAGGCCAGAGTCTGACGGGCAACCC
 TCGCTTGACCTGCAAGAGATCAACAACCTGGGTGCAGGCGCAGATGAAAGGGAAGCTCGC
 CAGGTCCACAAAGGAAATCCCGATGAGATCAGCATTCTCCTTCTCGGTGCGCAGCTT
 CAGGGGGCAGTGGTAACAAAGTTTACTCCAGAAAGACTTCCCTCGAGGATNTCTACTT
 GGATGAAGAGAAGGACCCGTGAGGGTCCNCATGATGTCNGACCCTANGGCTGNNTTACGG
 TATGGCTGGNATTCAGATCTCAGCTGCAAGATTGCCAGCTGCCCTTGACCGG

3' Read Nucleotide Sequence:

>OriGene 3' read for M76979 unedited
 TAGAGTCGAGTTTTTTTTTTTTTTTTTTTAGGGATAAAGCTCTTTTATTGTATGCATTGAA
 ACCTTACAGGGGCAGCCTTCGTGTCTGTGGAATCTGCTGTCCCTCGGGTTTTCTTCTAG
 GGTATTGGAATATTAAGTGGGATATTAGGGGCCCTGGGGTCCAGAATCTTGCCAATGA
 AGAGAAGGGCCCCTGTGTCTGTGTCCCTCAGTACGAAGATGAAAGGCTGGTTAAGGTGAT
 AGTCCAGCGGGAAGGTGAGGTGGGCAGGCTGCAGCCCTGGGCTGGGGTGGTTCCCGCCC
 CATCCTCGTTCCACTCAAAGCCAGCCCGGTGTTCCACCTGAGTCAGCTTGATGGGTTTGC
 CTGTGATCTTGCTAAAGTCTGGTGAATCAACAAGGATTGCAGCTTCATCTCCTGCAGGG
 ACTTGGTGACTTCGCCTTCATAACTCAGCTTCAGCTTGGGGACAGTGAGGACCGCCTGCA
 CGGTCTTCAGTTCCTCGTCTATGTCATGAATGAACTCGGAGGTGAGGCTCTCCTCTATCA
 AGGTCAAATCTGGGTCACTTTTCAGGNGCANGAAAAGAGATGATACTCATGCTTCCGGGTC
 AGGGCAGCTGGGCAATCTGCAGCTGAGATCTGAATCCCAGCATAGCGTAAACAGCCTTA
 GGGTCGACATATGGGACCCTCACGTCTCTCTCATCAGTAAAATCTCGAGGAAGTCTTCTG
 AGTAAACTTTGTACCACTGCCCTTGAGTGCCGACACGAGAGGAAATGCTGATCTATCGGA
 ATTNCTTTGTGGACTGGGAGCTTCCTTCATCTGCGCTGACCCATTGTGGACTCTGCAGGT
 CAACCAGGGTGCCGTCAGACTCTGCCCTGTATTGACTTTTCAAGTGCACAAGCTGATTT
 ATGCCACCTTTCAAACATCGGAGCCTTTGAGTTCTTGGGGGCGACGGTAAGACTCTT
 AGCCAGAGTTGGCTTGACATCTAAAACCGGGATTAGTTCTTCA

Restriction Sites:

NotI-NotI

ACCN:

M76979

Insert Size:

1420 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:

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: [M76979.1](#), [AAA60058.1](#)

RefSeq Size: 1490 bp

RefSeq ORF: 1257 bp

Locus ID: 5176

Cytogenetics: 17p13.3

Domains: SERPIN

Protein Families: Druggable Genome, Secreted Protein

Gene Summary: This gene encodes a member of the serpin family that does not display the serine protease inhibitory activity shown by many of the other serpin proteins. The encoded protein is secreted and strongly inhibits angiogenesis. In addition, this protein is a neurotrophic factor involved in neuronal differentiation in retinoblastoma cells. Mutations in this gene were found in individuals with osteogenesis imperfecta, type VI. [provided by RefSeq, Aug 2016]