

Product datasheet for **SC310419**

PEDF (SERPINF1) (NM_002615) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PEDF (SERPINF1) (NM_002615) Human Untagged Clone
Tag: Tag Free
Symbol: PEDF
Synonyms: EPC-1; OI6; OI12; PEDF; PIG35
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002615 edited
GGGTGTGGAGCTGCAGCGTATCCACAGGCCCCAGGATGCAGGCCCTGGTGTACTCTCT
GCATTGGAGCCCTCCTCGGGCAGCAGCTGCCAGAACCCTGCCAGCCCCCGGAGGAGG
GCTCCCCAGACCCCGACAGCACAGGGGCGCTGGTGGAGGAGGAGATCCTTTCTCAAAG
TCCCCGTGAACAAGCTGGCAGCGCTGTCTCAAACCTCGGCTATGACCTGTACCGGTGC
GATCCAGCAGAGCCCCACGACCAACGTGCTCCTGTCTCCTCAGTGTGGCCACGGCCC
TCTCGGCCCTCTCGCTGGGAGCGGAGCAGCGAACAGAATCCATCATTACCGGGCTCTCT
ACTATGACTTGATCAGCAGCCCAGACATCCATGGTACCTATAAGGAGCTCCTTGACACGG
TCACTGCCCCCCAGAAGAACCTCAAGAGTGCTCCCGGATCGTCTTTGAGAAGAAGCTGC
GCATAAAATCCAGCTTTGTGGCACCTCTGAAAAGTCATATGGGACCAGGCCAGAGTCC
TGACGGGCAACCCTCGCTTGACCTGCAAGAGATCAACAACCTGGGTGCAGGCGCAGATGA
AAGGGAAGCTCGCCAGGTCCACAAAGGAAATCCCGATGAGATCAGCATTCTCCTTCTCG
GTGTGGCGCACTTCAAGGGGAGTGGGTAACAAAGTTTGACTCCAGAAAGACTTCCCTCG
AGGATTTCTACTTGGATGAAGAGAGGACCGTGAGGGTCCCATGATGTCCGACCCTAAGG
CTGTTTTACGCTATGGCTTGATTGAGATCTCAGCTGCAAGATTGCCAGCTGCCCTTGA
CCGGAAGCATGAGTATCATCTTCTTCTGCCCCGAAAGTGACCCAGAATTTGACCTTGA
TAGAGGAGAGCCTCACCTCCGAGTTCATTGATGACATAGACCGAGAAGTGAAGACCGTGC
AGGCGGTCTCACTGTCCCCAAGCTGAAGCTGAGTTATGAAGGCGAAGTACCAAGTCCC
TGCAGGAGATGAAGCTGCAATCCTTGTGTTGATTACCAGACTTTAGCAAGATCACAGGCA
AACCCATCAAGCTGACTCAGGTGGAACACCGGGCTGGCTTTGAGTGGAACGAGGATGGGG
CGGAACACCCCCAGCCAGGGCTGCAGCCTGCCACCTCACCTTCCCGCTGGACTATC
ACCTTAACCAGCCTTTCATCTTCTGACTGAGGGACACAGACACAGGGGCCCTTCTTCA
TTGGCAAGATTCTGGACCCAGGGGCCCTAATATCCCAGTTAATATTCCAATACCCTA
GAAGAAAACCCGAGGGACAGCAGATTCCACAGGACACGAAGGCTGCCCTGTAAGGTTTC
AATGCATACAATAAAAGAGCTTTATCCCTAAAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002615 unedited GGGCAATTGTATACGACTCCTATAGGGCGGCCGGAATTCGGCACGAGGGCGGTGTGGAG CTGCAGCGTATCCACAGGCCCCAGGATGCAGGCCCTGGTCTACTCTCTGCATTGGAGC CCTCCTCGGGCACAGCAGCTGCCAGAACCCTGCCAGCCCCCGGAGGAGGGCTCCCCAGA CCCCGACAGCACAGGGGCGCTGGTGGAGGAGGAGGATCCTTTCTCAAAGTCCCCGTGAA CAAGCTGGCAGCGGTGTCTCCAACCTTCGGCTATGACCTGTACCGGTGCGATCCAGCAC GAGCCCCACGACCAACGTGCTCCTGTCTCCTCTCAGTGTGGCCACGGCCCTCTCGGCCCT CTCGCTGGGAGCGAGCAGCGAACAAGAATCCATCATTACCGGGCTCTCTACTATGACTT GATCAGCAGCCCAGACATCCATGGTACCTATAAGGAGCTCCTTGACACGGTCACTGCCCC CCAGAAGAACCTCAAGAGTGCCTCCCGATCGTCTTTGAGAAGAAGCTGCGCATAAAATC CAGCTTTGTGGCACCTCTGAAAAGTCATATGGGACCAGGCCAGAGTCTGACGGGCAA CCCTCGTTGGACCTGCAAGAGATCAACAACCTGGGTGCAGGCGCAGATGAAAGGGAAGCT CGCCAGGTCCACAAGGAAATCCCGATGAGATCAGCATTCTCCTCTCGGTGTGGCGCA CTTCAAGGGGCGAGTGGGTAACAAAGTTTACTCCAGAAAGACTTCCTCGAGGATTCTA CTTGGATGAAGAGAGGACCGTGAGGGTCCCATGATGTCGGACCCTAAGCTGTTTTACGCT ATGGCTTGATTAGATCTCAGCTGCAGATTGCCAGCTGCCCTTGACCGAAGCATGGAG TATCATCTTCTCCTGCCCTGGAAAGGTGAA
Restriction Sites:	Please inquire
ACCN:	NM_002615
Insert Size:	1400 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).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_002615.4</u> , <u>NP_002606.3</u>
RefSeq Size:	1542 bp
RefSeq ORF:	1257 bp
Locus ID:	5176
UniProt ID:	<u>P36955</u>
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]
Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 encode the same protein (isoform 1).