

## Product datasheet for **AR09223PU-L**

### SERPINF1 / PEDF (20-418, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SERPINF1 / PEDF (20-418, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSSLVPRGSH</u> MQNPASPPEE GSPDPDSTGA LVEEEDPFFK VPVNKLA AAV SNFGYDL YRV RSSMSPTTNV LLSPLSVATA LSALSLGAEQ RTESIIHRAL YYDLISSPDI HGTYKELLD T VTAPQKNLKS ASRIVFEKKL RIKSSFVAPL EKS YGTRPRV LTGNPRLDLQ EINNWWQAQM KGKLARSTKE IPDEISILL GVAHFKGQWV TKFDSRKTSL EDFYLDEERT VRVPMMSDPK AVLR YGLDSD LSCKIAQLPL TGSM SIIFFL PLKVTQNLTL IEESLTSEFI HDIDRELKTV QAVLTVPKLK LSYEGEVTKS LQEMKLQSLF DSPDFSKITG KPIKLTQVEH RAGFEWNEDG AGTTPSPGLQ PAHLTFPLDY HLNQPFIFVL RDTDTGALLF IKGILDPRGP
Tag:	His-tag
Predicted MW:	46.7 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant PEDF protein containing a natural variant M72T was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001316832</u>
Locus ID:	5176
UniProt ID:	<u>P36955</u> , <u>A0A140VKF3</u>
Cytogenetics:	17p13.3



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**Synonyms:** EPC-1; OI6; OI12; PEDF; PIG35

**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]

**Protein Families:** Druggable Genome, Secreted Protein

**Product images:**

