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# DATASHEET

Recombinant human PEDF/Serpin-F1 (HEK expressed) protein

## Product overview

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| **Name** | Recombinant human PEDF/Serpin-F1 (HEK expressed) protein |
| **Cat No** | HB7366 |
| **Species of origin** | human |
| **Alternative names** | Recombinant Human Pigment Epithelium-Derived Factor, HEK, Pigment epithelium-derived factor, PEDF, Serpin-F1, SerpinF1, EPC-1, EPC1, PIG35. |
| **Purity** | >95% |
| **Description** | HEK expressed recombinant human PEDF/Serpin-F1 protein |

## Solubility & Handling

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| **Solubility overview** | To make a working stock solution, add deionized water to make a solution (0.5mg/mL) and allow the lyophilized material to dissolve. Filter the product using an appropriate sterile filter before using it in cell culture |
| **Handling** | • Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.<br>• Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.<br>• Freeze-thaw cycles should be prevented. |
| **Shipping Conditions** | Stable for ambient temperature shipping. Follow storage instructions on receipt. |
| **Important** | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

## Chemical Data

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| **UniProt ID** | P36955 |
| **Source** | HEK 293. |
| **Appearance** | White lyophilized powder (filtered & freeze-dried) |
| **Formulation** | Lyophilized from filtered (0.4µm) solution (0.5mg/ml) containing Tris (20mM) & NaCl pH 7.5 (20mM) |

## References

**Pigment epithelium-derived factor (PEDF) is one of the most abundant proteins secreted by human adipocytes and induces insulin resistance and inflammatory signaling in muscle and fat cells**

Famulla S *et al* (2011) Int J Obes (Lond) 35(6)
**PubMedID** 20938440

**PEDF: a multifaceted neurotrophic factor**

Tombran-Tink J *et al* (2003) Nat Rev Neurosci 4(8)
**PubMedID** 12894238

**PEDF and its roles in physiological and pathological conditions: implication in diabetic and hypoxia-induced angiogenic diseases**

He X *et al* (2015) Clin Sci (Lond) 128(11)

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| **PubMedID** | 25881671 |