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DATASHEET

Recombinant human PEDF/Serpin-F1 (His Tag) protein

Product overview

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | Recombinant human PEDF/Serpin-F1 (His Tag) protein |
| Cat No | HB7135 |
| Species of origin | human |
| Alternative names | Recombinant Human Pigment Epithelium-Derived Factor, His Tag, Pigment epithelium-derived factor, PEDF, Serpin-F1, SerpinF1, EPC-1, EPC1, PIG35. |
| Purity | >90% |
| Description | His Tag recombinant human PEDF/Serpin-F1 protein |

Solubility & Handling

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|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | <ul style="list-style-type: none">• 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.• 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.• For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented. |
| 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 | E. Coli. |
| Appearance | Colourless solution (sterile filtered) |
| Formulation | Solution containing Tris-HCl buffer (20mM, pH 8.0), NaCl (100mM), and 20% glycerol |

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)
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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)
PubMedID [25881671](#)

