

SERPINF1 (Human) Recombinant Protein

Catalog # P3662

Size 10 ug

Specification

Product Description	Human SERPINF1 (P36955, 20 a.a. - 418 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	QNPASPPEEGSPDPDSTGALVEEEDPFFKVPVNKLA AAVSNFGYDLYRVRSSSTPTTNVLLSPLSVATALSALS LGAEQRTESIHRALYYDLISSPD IHGTYKELLDTVTAPQKNLKSASRMFEKKLRIKSFVAPLEKSYGTRPRVLTGNPRLDLQEINNWWQAQMKGKLARSTKEIPDEISILLGV AHFKGQWVTKFDSRKTSLED FYLDEERTVRVPMMSDPKAVLRYGLSDLSCKIAQLPLTGSM SIIFFLPLKVTQNLTLIEESLTSEFIHDIDRELKTVQAVLTVPKLKLSYEGEVT KSLQEMKLQSLFDSPDFSKITGKPIKL TQVEHRAGFEWNEDGAGTTPSPGLQPAHLTFPLDYHLNQPFIFVLRD TDTGALLFIGKILDPRGP
Host	Escherichia coli
Theoretical MW (kDa)	45
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Storage Buffer	Lyophilized from 20 mM PB, 150 mM NaCl, pH 7.5
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — SERPINF1

Entrez GeneID	5176
Protein Accession#	P36955
Gene Name	SERPINF1
Gene Alias	EPC-1, PEDF, PIG35
Gene Description	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1
Omim ID	172860
Gene Ontology	Hyperlink
Gene Summary	The PEDF gene is a member of the serpin gene family. Serpins are a group of serine protease inhibitors, some of which have also been reported to exhibit neurotrophic activity.[supplied by OMIM]
Other Designations	pigment epithelium-derived factor proliferation-inducing protein 35 serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1

Publication Reference

- [Characterization of Regenerative Phenotype of Unrestricted Somatic Stem Cells \(USSC\) from Human Umbilical Cord Blood \(hUCB\) by Functional Secretome Analysis.](#)

Schira J, Falkenberg H, Hendricks M, Waldera-Lupa DM, Kogler G, Meyer HE, Muller HW, Stuhler K.

Molecular & Cellular Proteomics : MCP 2015 Oct; 14(10):2630.

Application: Func, Human, Recombinant proteins in N2 control medium

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