Active Recombinant Full Length Human SERPINF2, His tagged

Cat. No. SERPINF2-3159H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SERPINF2 (NP_000925.2) (Met 1-Lys 491), fused with a C-terminal polyhistidine tag, was produced in Human Cell.
Species	Human
Source	HEK293
ProteinLength	Met 1-Lys 491
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit trypsin cleavage of a fluorogenic peptide substrate,Mca-RPKPVE-Nval-WRK(Dnp)-NH2 (Anaspec). The IC50 value is < 0.5 nM .
Molecular Mass	The recombinant human SerpinF2 consists of 475 amino acids after removal of the signal peptide and predicts a molecular mass of 53.2 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rhSerpinF2 is approximately 70 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE

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Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	SERPINF2 serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2 [Homo sapiens]
Official Symbol	SERPINF2
Synonyms	SERPINF2; serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2; PLI, serine (or cysteine) proteinase inhibitor, clade F (alpha 2 antiplasmin, pigment epithelium derived factor), member 2; alpha-2-antiplasmin; A2AP; AAP; alpha 2 antiplasmin; ALPHA 2 PI; alpha 2 plasmin inhibitor; API; serpin F2; alpha-2-AP; alpha-2-plasmin inhibitor; serine (or cysteine) proteinase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2; PLI; ALPHA-2-PI;
Gene ID	5345
mRNA Refseq	NM_000934
Protein Refseq	NP_000925
MIM	613168
UniProt ID	P08697

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