

Recombinant Rat Serpina1 protein, His-SUMO-tagged

Cat. No. Serpina1-3479R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Serpina1 protein(P17475)(25-411aa), fused to N-terminal His-SUMO tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	25-411aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	59.7 kDa
AA Sequence	EDAQETDTSQQDQSPTYRKISSNLADFAFSLYRELVHQSNTSNIFFSPMSITTAFAML SLGSKGDTRKQILEGLEFNLTQIPEADIIHKAFHLLQTLNRPDSELQLNTGNGLFVNK NLKLVEKFLEEVKNNYHSEAFSVNFADSEEAKKVINDYVEKGTQGKIVDLMKQLDED TVFALVNYIFFKGKWKRPFNPEHTRDADFHVDKSTTVKVPMMNRLGMFDMHYCSTL SSWVLMMDYLG NATAIFLLPDDGKMQHLEQTLTKDLISRFLNLRQTRSAILYFPKLSI SGTYNLKTLLSSLGITRVFNNDADLSGITEDAPLKLSQAVHKAVLTLDERGTEAAGAT VVEAVPMSLPPQVKFDHPFIFMIVESETQSPLFVGKVIDPTR
Purity	Greater than 90% as determined by SDS-PAGE.

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Storage

Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Reconstitution

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION**Gene Name**

Serpina1 serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1 [*Rattus norvegicus*]

Official Symbol

[Serpina1](#)

Synonyms

SERPINA1; serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1;

Gene ID

[116807](#)

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