

Rev03  
 Update: Aug,08,2025

**DATASHEET**

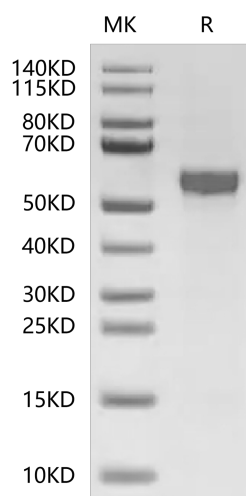
# Serpina3n, His, Rat

Cat. No.: Z06431

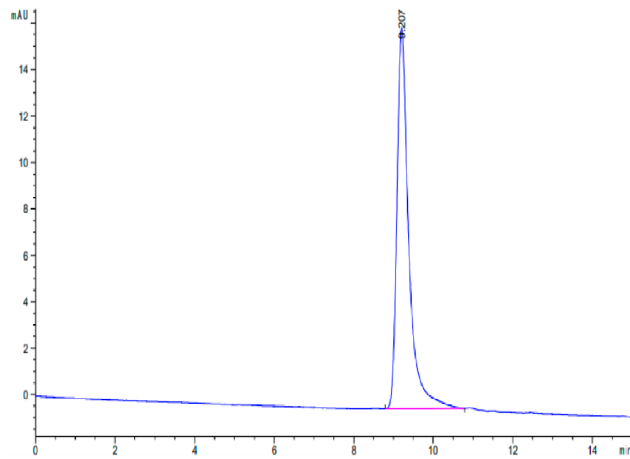
## Product Introduction

<b>Species</b>	Rat
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>Serpina3n (Thr30-Lys418) x000D_</b>  <b>Accession # P09006</b> </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;"> <b>His</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	44.67 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Examples



Serpina3n, His, Rat on Bis-Tris PAGE under reduced condition.  
 The purity is greater than 95%



The purity of Serpina3n, His, Rat is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** Serpina3n is a secretory serine protease inhibitor belonging to clade "a" exhibiting unique structural and physiological characteristics, playing significant roles ranging from complement cascade, apoptosis, wound healing to Alzheimer by inhibiting a wide range of proteases.

**Synonyms :** Serpin A3N; CPI-26; CPI26; SPI-2.2; SPI2.2; SPI-3; SPI3; Spin2c;

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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