Datasheet for ABIN1097505

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## SERPINA3 Protein (AA 24-423) (His tag)

Overview	
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Quantity:	50 µg
Target:	SERPINA3
Protein Characteristics:	AA 24-423
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA3 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Serpin A3/alpha-1-Antichymotrypsin (C-6His)
Sequence:	HPNSPLDEEN LTQENQDRGT HVDLGLASAN VDFAFSLYKQ LVLKAPDKNV IFSPLSISTA LAFLSLGAHN TTLTEILKGL KFNLTETSEA EIHQSFQHLL RTLNQSSDEL QLSMGNAMFV KEQLSLLDRF TEDAKRLYGS EAFATDFQDS AAAKKLINDY VKNGTRGKIT DLIKDLDSQT MMVLVNYIFF KAKWEMPFDP QDTHQSRFYL SKKKWVMVPM MSLHHLTIPY FRDEELSCTV VELRYTGNAS ALFILPDQDK MEEVEAMLLP ETLKRWRDSL EFREIGELYL PKFSISRDYN LNDILLQLGI EEAFTSKADL SGITGARNLA VSQVVHKAVL DVFEEGTEAS AATAVKITLL
Characteristics:	SALVETRTIV RENRPELMII VPTDTQNIFF MSKVTNPKQA VDHHHHHH Recombinant Human Serpin A3 produced by transfected human cells is a secreted protein with sequence (His24-Ala423) of Human SERPIN A3 fused with a polyhistidine tag at the C- terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

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Product Details	
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test
Target Details	
Target:	SERPINA3
Alternative Name:	alpha-1-antichymotrypsin (SERPINA3 Products)
Sub Type:	Fusionprotein
Background:	<ul> <li>Serpin A3 belongs to the Serpin superfamily of serine protease inhibitors. Serpin A3 has been shown to inhibit some serine proteases, such as neutrophil cathepsin G and mast cell chymase.</li> <li>Serpin A3 is synthesized initially in the liver and secreted in plasma. Serpin A3 has been found in the amyloid plaques from the hippocampus of Alzheimer disease brains. In addition to, Serpin A3 is associated with liver disease and Parkinson disease and chronic obstructive pulmonary disease.</li> <li>Alternative Names: Alpha-1-Antichymotrypsin, ACT, Cell Growth-Inhibiting Gene 24/25 Protein, Serpin A3, SERPINA3, AACT</li> </ul>
Molecular Weight:	46.33 kDa
UniProt:	P01011
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 $\mu m$ filtered solution of 20 mM HEPES, 150 mM NaCl, pH 7.5.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

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