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Datasheet for ABIN7504523

SERPINA3N Protein (AA 30-418) (His tag)

Overview

Quantity:	100 µg
Target:	SERPINA3N
Protein Characteristics:	AA 30-418
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SERPINA3N protein is labelled with His tag.

Product Details

Purpose:	Rat Serpina3n Protein
Sequence:	Thr30-Lys418
Characteristics:	Recombinant Rat Serpina3n Protein is expressed from HEK293 with His tag at the C-terminus. It contains Thr30-Lys418.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	SERPINA3N
Alternative Name:	Serpina3n (SERPINA3N Products)

Target Details

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.
Molecular Weight:	44.67 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.
UniProt:	P09006

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months