

Datasheet for ABIN7319269
SERPINB9 Protein (His tag)



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Overview

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|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | SERPINB9 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This SERPINB9 protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human SERPINB9/PI-9 Protein (Human Cells, His Tag) |
| Sequence: | Met 1-Pro376 |
| Characteristics: | Recombinant Human Serine Protease Inhibitor-clade B9 is produced by our Mammalian expression system and the target gene encoding Met1-Pro376 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

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|-------------------|--|
| Target: | SERPINB9 |
| Alternative Name: | SERPINB9/PI-9 (SERPINB9 Products) |
| Background: | Background: Serpin B9, also known as Cytoplasmic antiproteinase 3(CAP-3), is a cytoplasm protein which belongs to the large superfamily of serine proteinase inhibitors (serpins), which |

Target Details

bind to and inactivate serine proteinases. Serpin B9 is an inhibitor of the granzyme B/perforin lytic pathway. It is expressed in normal mammary epithelial cells but not in most mammary carcinoma cell lines. These interactions are involved in many cellular processes, including coagulation, fibrinolysis, complement fixation, matrix remodeling, and apoptosis. Serpin-B9 expression in immune-privileged cells, APCs, and CTLs protects these cells against the actions of granzyme B, and when expressed in tumor cells or virally infected hepatocytes, confers resistance to killing by CTL and NK cells. Expression of increasing levels of Serpin-B9 in target cells may progressively inhibit immune surveillance by blocking NK and CTL-induced cytotoxicity through the perforin / granzyme pathway and then through the Fas / FasL pathway. Synonym: Cytoplasmic antiproteinase 3, Peptidase inhibitor 9, CAP3, PI-9, Serpin B9

Molecular Weight: 43.4 kDa

UniProt: [P50453](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.