

Recombinant Human SPINT2/HAI-2 protein (rFc Tag)

Catalog Number: Eg3130

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human SPINT2 protein Ala28-Lys197 (Accession# O43291-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

10653

Accession:

O43291-1

Predicted Molecular Mass:

45.2 kDa

SDS-PAGE:

48-60 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

SPINT2 (serine peptidase inhibitor Kunitz type 2), also known as hepatocyte growth factor activator inhibitor type-2(10), belongs to the Kunitz family of serine protease inhibitors, which is a plasma membrane-localized serine protease inhibitor found in epithelial cells of various tissues including the respiratory tract and all major organs. SPINT2 possesses one transmembrane domain and two kunitz-type inhibitor domains that are exposed to the extracellular space and which are believed to facilitate a potent inhibition of target proteases. SPINT2 regulates cell proliferation, migration and invasion via a reduction in HGFA, leading to apoptosis and necrosis of uterine leiomyosarcoma cells.

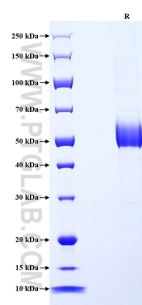
References

1. Li J, et al. (2023). Exp Ther Med. Oct 9;26(6):546.
2. Straus, M.R., et al. (2020). Virology. Apr;543:43-53.
3. Heinz-Erian P, et al. (2009). Am J Hum Genet. 84(2):188-196.
4. Pereira, M.S., et al. (2016). J Histochem Cytochem. Jan;64(1):32-41.

Synonyms

SPINT2, HAI2, HAI-2, Kop, Kunitz-type protease inhibitor 2

Selected Validation Data



Purity of Recombinant Human SPINT2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.