

# Recombinant human HAI-2A protein

Catalog Number: ATGP1823

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

28-197aa

### UniProt No.

O43291

### NCBI Accession No.

NP\_066925

### Alternative Names

Kunitz-type protease inhibitor 2, DIAR3, FLJ45571, HAI-2, HAI2, Kop, PB

## PRODUCT SPECIFICATION

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### Molecular Weight

21.8 kDa (195aa)

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea 10% glycerol

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

SPINT2 is a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This protein is a putative tumor suppressor, and mutations in this protein result in congenital sodium diarrhea. Recombinant human SPINT2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

### Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSHMADRER SIHDFCLVSK VVGRCRASMP RWWYNVTDGS CQLFVYGGCD

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GNSNNYLTKE ECLKKCATVT ENATGDLATS RNAADSSVPS APRRQDSEDH SSDMFNYEEY CTANAVTGPC RASFPRWYFD  
VERNSCNNFI YGGCRGNKNS YRSEEACMLR CFRQQENPPL PLGSK

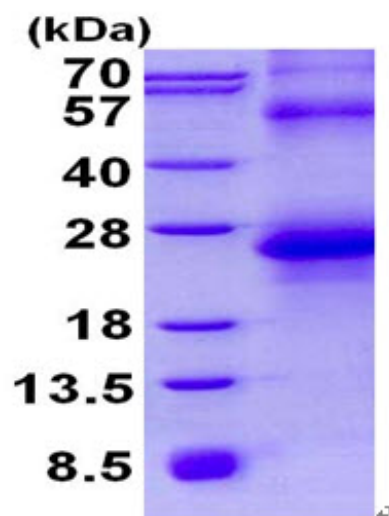
## General References

Bergum,C.et al. (2010) Prostate 70 (13), 1422-1428

Huang,H.P.,et al. (2012) Hepatology 55 (1), 161-172

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)