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Recombinant human HAI-2A protein

Catalog Number: ATGP1823

PRODUCT INFORMATION

Expression system

E.coli

Domain

28-197aa

UniProt No.

043291

NCBI Accession No.

NP 066925

Alternative Names

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

PRODUCT SPECIFICATION

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

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 SSGLVPRGSH MGSHMADRER SIHDFCLVSK VVGRCRASMP RWWYNVTDGS COLFVYGGCD



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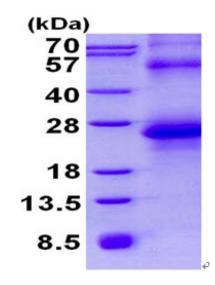
GNSNNYLTKE ECLKKCATVT ENATGDLATS RNAADSSVPS APRRQDSEDH SSDMFNYEEY CTANAVTGPC RASFPRWYFD VERNSCNNFI YGGCRGNKNS YRSEEACMLR CFRQQENPPL PLGSK

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



15% SDS-PAGE (3ug)

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

