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Datasheet for ABIN1096804

SPINT2 Protein (AA 28-197) (His tag)

Overview

Quantity:	50 µg
Target:	SPINT2
Protein Characteristics:	AA 28-197
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPINT2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human HAI-2/KOP/SPINT2 (C-6His)
Sequence:	ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF NYEEYCTANA VTGPCRASFP RWYFDVERNS CNFIYGGCR GNKNSYRSEE ACMLRCFRQQ ENPPLPLGSK VDHHHHHH
Characteristics:	Recombinant Human Hepatocyte Growth Factor Activator Inhibitor Type 2/HAI2 is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Ala28-Lys197) of Human HAI2 fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	SPINT2
Alternative Name:	hai-2 (SPINT2 Products)
Sub Type:	Fusionprotein
Background:	<p>Hepatocyte Growth Factor Activator Inhibitor Type 2 (HAI2) is a single-pass type I membrane protein and contains two BPTI/Kunitz inhibitor domains. The first Kunitz domain is mainly responsible for the inhibitory activity against hepatocyte growth factor activator (HGFA). HAI2 is expressed in placenta, kidney, pancreas, prostate, testis, thymus and trachea. HAI2 serves as a inhibitor of HGF activator. It also inhibits plasmin, plasma and tissue kallikrein and factor XIa. Defects in HAI2 are the cause of diarrhea type 3 (DIAR3), also known as congenital sodium diarrhea (CSD).</p> <p>Alternative Names: Kunitz-Type Protease Inhibitor 2, Hepatocyte Growth Factor Activator Inhibitor Type 2, HAI-2, Placental Bikunin, SPINT2, HAI2, KOP</p>
Molecular Weight:	20.22 kDa
UniProt:	O43291

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Expiry Date:	3 months