
Product Data Sheet

Product Name: SPINT2 Human, Sf9
 Cat. No.: GP24685
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Serine Peptidase Inhibitor; Kunitz Type; 2; Placental Bikunin; Hepatocyte Growth Factor Activator Inhibitor Type 2; Serine Protease Inhibitor; Kunitz Type; 2; HAI-2; HAI2; Kop; Kunitz-Type Protease Inhibitor 2; Placental; Bikunin; DIAR3; PB; Kunitz-type protease inhibitor 2.		
Amino Acid Sequence	ADRERSIHDFCLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN YLTKEECLKK CATVTENATG DLATSRNAADSSVPSAPRRQ DSEDHSSDMF NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEEACMLRCFRQQ ENPPLPLGSK HHHHHH.		
Formulation	SPINT2 protein solution (0.2mg/ml) contains phosphate buffered saline (pH 7.4) and 10% glycerol.		

Introduction

SPINT2 is a transmembrane protein acts as an inhibitor of HGF activator. SPINT2 inhibits plasmin, plasma and tissue kallikrein, and factor XIa. SPINT2 has two extracellular Kunitz domains that inhibit few serine proteases. SPINT2 is assumed tumor suppressor, mutations in SPINT2 leads to a congenital sodium diarrhea.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SPINT2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 176 amino acids (28-197 a.a.) and having a molecular mass of 20kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). SPINT2 is expressed

Caution: Product has not been fully validated for medical applications. For research use only.

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with a 6 amino acid His tag atC-Terminus and purified by proprietary chromatographic techniques.

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