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## Product Data Sheet

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Product Name: SPINT2 Human  
 Cat. No.: GP24684  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DIAR3; FLJ45571; HAI-2; HAI2; Kop; PB; Kunitz-type protease inhibitor 2; Hepatocyte growth factor activator inhibitor type 2; Placental bikunin; SPINT2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMADRER SIHDFCLVSK VVGRCRASMP RWWYNVTDGS CQLFVYGGCD GNSNNYLTK ECLKKCATVT ENATGDLATS RNAADSSVPS APRRQDSEDH SSDMFNYEEY CTANAVTGPC RASFPRWYFD VERNSCNNFI YGGCRGNKNS YRSEEACMLR CFRQQENPPL PLGSK.		
Formulation	SPINT2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 195 amino acids (28-197 a.a.) and having a molecular mass of 21.8kDa. SPINT2 is fused to a 25 amino acid His-tag at N-terminus & purified by

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

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proprietary chromatographic techniques.

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