

SPINT2 Human

Description: 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 proprietary chromatographic techniques.

Catalog #: PRPS-1303

For research use only.

Synonyms: DIAR3, FLJ45571, HAI-2, HAI2, Kop, PB, Kunitz-type protease inhibitor 2, Hepatocyte growth factor activator inhibitor type 2, Placental bikunin, SPINT2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMADRER SIHDFCLVSK
VVGRCRASMP RWWYNVTGDS CQLFVYGGCD GNSNNYLTKE ECLKKCATVT ENATGDLATS
RNAADSSVPS APRRQDSEDH SSDMFNYEEY CTANAVTGPC RASFPRWYFD VERNSCNNFI
YGGCRGNKNS YRSEEACMLR CFRQQENPPL PLGSK.

Purity: Greater than 85.0% as determined by SDS-PAGE.

Formulation:

SPINT2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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