



Recombinant Protein Technical Manual

Recombinant Human HAI-2/SPINT2 Protein (His Tag)

RPES2298

Product Data:

Product SKU: RPES2298

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O43291

Protein Information:

Molecular Mass: 20.22 kDa

AP Molecular Mass: 24-30 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Kunitz-Type Protease Inhibitor 2; Hepatocyte Growth Factor Activator Inhibitor Type 2; HAI-2; Placental Bikunin; SPINT2; HAI2; KOP

Immunogen Information:

Sequence: Ala28-Lys197

Background:

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).