

Human HAI-2/SPINT2 Protein

Cat. No. HAI-HM102



Description

Source	Recombinant Human HAI-2/SPINT2 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Ala28-Lys197.
Accession	O43291-1
Molecular Weight	The protein has a predicted MW of 20.79 kDa. Due to glycosylation, the protein migrates to 28-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Hepatocyte growth factor activator inhibitor-2 (HAI-2) is a bi-Kunitz-type serine protease inhibitor containing two Kunitz domains (KD1 and KD2), first identified in placenta and gastric carcinoma cells with a homology to HAI-1, and has an inhibitory activity against hepatocyte growth factor activator (HGFA). HAI-2 also represses the other serine proteases including kallikrein and coagulation factor XIa. Down-regulation of HAI-2 is involved in cancer progression; for examples, the low expression or genetic silencing of HAI-2 has been found in hepatocellular carcinoma (HCC), prostate cancer, melanoma and gastric cancer. Moreover, HAI-2 is capable of suppressing cancer cell invasion and metastasis, including HCC, melanoma, prostate cancer and endometrial cancer.

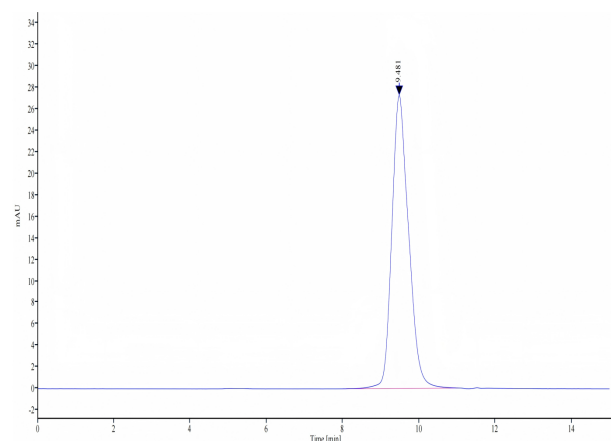
Assay Data

Bis-Tris PAGE



Human HAI-2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human HAI-2 is greater than 95% as determined by SEC-HPLC.