

Recombinant Human SPINT1

Cat. No. SPINT1-29310TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HGFA Inhibitor 1 with N-terminal proprietary tag. Predicted MW 82.5kDa.
Species	Human
Source	Wheat Germ
ProteinLength	513 amino acids
Description	The protein encoded by this gene is a member of the Kunitz family of serine protease inhibitors. The protein is a potent inhibitor specific for HGF activator and is thought to be involved in the regulation of the proteolytic activation of HGF in injured tissues. Alternative splicing results in multiple variants encoding different isoforms.
Molecular Weight	82.500kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MAPARTMARARLAPAGIPAVALWLLCTLGLQGTQAGPPPA PPGLPAGADCLNSFTA
 GVPGFVLDTNASVSNNGATFLESPT VRRGWDCVRACCTTQNCNLALVELQPDRGED
 AIAACFLIN CLYEQNFVCKFAPREGFINYL TREVYRSYRQLRTQGFGGS GIPKAWA
 GIDLKVQPQEPLVLKDVENTDWRLLRGDTDVRV ERKDPNQVELWGLKEGTYLFLQL
 TVTSSDHPEDTANVTVTV LSTKQTEDYCLASNKVGRCRGSFPRWYYDPTEQICKSF
 VY GGCLGNKNNYLREEECILACRGVQGPSMERRHPVCSGTCQ PTQFRCSSNGCCI
 DSFLECDDTPNCPDASDEAAACEKYTS GF DELQRIHFPSDKGHCVDLPDTGLCKESI
 PRWYYNPFSEHC ARFTYGGCYGNKNNFEEEQQCLESCRGISKKDVFLRREI PIP
 STGSVEMAVAVFLVICIVVVVAILGYCFFKNQRKDFH GHHHHPPTPASSTVSTTED
 TEHLVYNHTTRPL

Sequence

Contains 2 BPTI/Kunitz inhibitor domains.Contains 1 LDL-receptor class A

Similarities

domain.Contains 1 MANSC domain.

GENE INFORMATION

Gene Name

SPINT1 serine peptidase inhibitor, Kunitz type 1 [Homo sapiens]

Official Symbol

SPINT1

Synonyms

SPINT1; serine peptidase inhibitor, Kunitz type 1; serine protease inhibitor, Kunitz type 1; kunitz-type protease inhibitor 1; HAI; MANSC2;

Gene ID

6692

mRNA Refseq

NM_001032367

Protein Refseq

NP_001027539

MIM

605123

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Uniprot ID	O43278
Chromosome Location	15q13.3
Pathway	Transcriptional misregulation in cancers, organism-specific biosystem; Transcriptional misregulation in cancers, conserved biosystem;
Function	peptidase inhibitor activity; serine-type endopeptidase inhibitor activity;

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