

# Recombinant Full Length Human SPINT1 Protein

**Cat. No.** SPINT1-491HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full length Human HGFA Inhibitor 1 with N-terminal proprietary tag.<br>Predicted MW 82.5 kDa.                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | 513 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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.                                                                                     |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 82.500kDa inclusive of tags                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MAPARTMARARLAPAGIPAVALWLLCTLGLQGTQAGPPPA PPGLPAGADCLNSFTA<br>GVPGFVLDTNASVSNGATFLESPT VRRGWDCVRACCTTQNCNLALVELQPDRGED<br>AIAACFLIN CLYEQNFVCKFAPREGFINYL TREVYRSYRQLRTQGFGGS GIPKAWA<br>GIDLVQPPQEPLVLKDVENTDWRLLRGDTDVRV ERKDPNQVELWGLKEGTYLFQL<br>TVTSSDHPEDTANVTVTV LSTKQTEDYCLASNKVGRCRGSFPRWYYDPTEQICKSF<br>VY GGCLGNKNNYLREEECILACRGVQGPSMERRHPVCSGTCQ PTQFRC SNGCCI<br>DSFLECDDTPNCPDASDEAAACEKYTS GF DELQRIHFPSDKGHCVDLPDTGLCKESI |

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PRWYYNPFSEHC ARFTYGGCYGNKNNFEEEQQCLESCRGISKKDVFGRLRREI PIP  
STGSVEMAVAVFLVICIVVVVAILGYCFFKNQRKDFH GHHHHPPPTPASSTVSTTED  
TEHLVYNHTTRPL

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## 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](#)

**UniProt ID** [O43278](#)

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