

# Recombinant Human SPINT2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SPINT2-3247H Lot. No. (See product label)

## SPECIFICATION

**Product Overview** SPINT2 MS Standard C13 and N15-labeled recombinant protein (NP\_066925) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

**Species** Human

**Source** HEK293

**Description** This gene encodes a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This gene is a putative tumor suppressor, and mutations in this gene result in congenital sodium diarrhea. Multiple transcript variants encoding different isoforms have been found for this gene.

**Molecular Mass** 28.2 kDa

**AA Sequence**  
 MAQLCGLRRSRAFLALLGSLLLSGVLAADRERSIHDFCLVSKVVGRCRASMPRWY  
 NVTDGSCQLFVYGGCDGNSNNYLTKEECLKKCATVTENATGDLATSRNAADSSVPS  
 APRRQDSEDHSSDMFNYYEYCTANAVTGPCRASFPWWYFDVERNSCNNFIYGGCR  
 GNKNSYRSEEACMLRCFRQQENPPLPLGSKVLLAGLFVMVLILFLGASMVYLIRVA  
 RRNQERALRTVWSSGDDKEQLVKNTYVLTRTRPLEQKLISEEDLAANDILDYKDDDD  
 KV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |  |
|-----------------------|--|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA  |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.  |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | SPINT2 serine peptidase inhibitor, Kunitz type 2 [ Homo sapiens (human) ]  |
| <b>Official Symbol</b> | SPINT2   |
| <b>Synonyms</b>        | SPINT2; serine peptidase inhibitor, Kunitz type, 2; serine protease inhibitor, Kunitz type, 2; kunitz-type protease inhibitor 2; HAI 2; Kop; placental bikunin; hepatocyte growth factor activator inhibitor type 2; PB; HAI2; DIAR3; HAI-2; FLJ45571; |
| <b>Gene ID</b>         | 10653  |
| <b>mRNA Refseq</b>     | NM_021102  |
| <b>Protein Refseq</b>  | NP_066925  |
| <b>MIM</b>             | 605124   |
| <b>UniProt ID</b>      | O43291   |

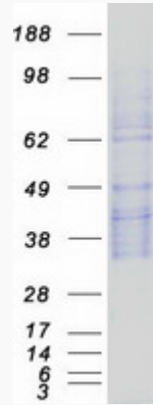
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SDS-PAGE



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