

# Serine protease inhibitor 5, Recombinant Protein

Cat *RP15374*

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

## Full Product Name

Recombinant Solanum tuberosum Serine protease inhibitor 5

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

LPSDATPVLD VTGKELDPRL SYRIISIGRG ALGGDVYLGK SPNSDAPCAN GVFRFNSDVG PSGTPVRFIG  
SSSHFGPHIF EGELLNIQFD ISTVKLCVSY TIWKVGDYDA SLGTMLLETG GTIGQADSSW FKIVKSSQLG  
YNLLYCPFSS DDQFCLKVGV VHQNGKRRLA LVKDNPLDVS FKQVQ

## Sequence Positions

29-213, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

23,137 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Serine protease inhibitor

## NCBI Accession #

Q41484.1

## NCBI GI #

20140029

## NCBI Official Full Name

Serine protease inhibitor 5

## UniProt Protein Name

Serine protease inhibitor 5

## UniProt Synonym Protein Names

gCDI-B1

## UniProt Primary Accession #

Q41484

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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**UniProt Comments**  
*mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*  
Inhibitor of trypsin (serine protease). Protects the plant by inhibiting proteases of invading organisms .

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