

Bromelain inhibitor, Recombinant Protein

Cat RP15881

Size 0.05 mg (E-Coli)/ 0.2 mg (E-Coli)/0.05 mg (Yeast)/0.5 mg (E-Coli)/0.05 mg (Baculovirus)/0.2 mg (Yeast)/1 mg (E-Coli)/0.5

mg (Yeast)/ 0.1 mg (Baculovirus)/0.05 mg (Mammalian-Cell)/1 mg (Yeast)/0.5 mg (Baculovirus) /0.1 mg (Mammalian-Cell)/1 mg (Baculovirus)
Species Ananas comosus (Pineapple) (Ananas ananas)

Full Product Name

Recombinant Ananas comosus Bromelain inhibitor

Product Synonym Names

Recombinant Bromelain inhibitor; Bromelain inhibitor; BI; Bromelain Cleaved into the following 6 chains: 1. Bromelain inhibitor 1 chain B; 2. BI-I B; Bromelain inhibitor VII light chain; BI-VII L Bromelain inhibitor 1 chain A; BI-I A; Bromelain inhibitor VI

Product Gene Name

BI recombinant protein

Purity

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

Sequence

T ACSECVCP LQ

Sequence Positions

20-30aa; Cytoplasmic domain

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

27,521 Da

Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

Protein Family

Bromelain inhibitor

NCBI Accession

P01068.2

NCBI GI

110282975

NCBI Official Full Name

Bromelain inhibitor

UniProt Gene Name

BI

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.05 mg (E-Coli)/ 0.2 mg (E-Coli)/0.05 mg (Yeast)/0.5 mg (E-Coli)/0.05 mg (Baculovirus)/0.2 mg (Yeast)/1 mg (E-Coli)/0.5

mg (Yeast)/ 0.1 mg (Baculovirus)/0.05 mg (Mammalian-Cell)/1

UniProt Synonym Gene Names

Bromein; BI-I B; BI-VII L; BI-I A; BI-VII H; BI-III B; BI-III A; BI-II B; BI-VI L; BI-II A; BI-VI H
mg (Baculovirus)

UniProt Protein Name

Bromelain inhibitor

UniProt Synonym Protein Names

Bromelain inhibitor VII light chain; BI-VII LBromelain inhibitor 1 chain A; BI-I A; Alternative name(s); Bromelain inhibitor VII heavy chain; BI-VII HBromelain inhibitor 3 chain B; BI-III BBromelain inhibitor 3 chain A; BI-III ABromelain inhibitor 2 chain B; BI-II B; Alternative name(s); Bromelain inhibitor VI light chain; BI-VI LBromelain inhibitor 2 chain A; BI-II A; Alternative name(s); Bromelain inhibitor VI heavy chain

UniProt Entry Name

IBRO_ANACO

UniProt Primary Accession

P01068

UniProt Secondary Accession

P27478; Q7Y0Z3

UniProt Comments

Function: Weak inhibitor of cysteine proteinases. Subunit structure: Each inhibitor is composed of two chains, designated A and B linked by three disulfide bonds. Sequence similarities: Belongs to the protease inhibitor I67 family.

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