

Proteasome subunit beta type-7-A (PBB1), Recombinant Protein

Cat *RP01836*

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

Species mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Proteasome subunit beta type-7-A (PBB1)

Product Gene Name

PBB1 recombinant protein

Purity

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

Sequence

TGTTIVGLIF KDGVLGADT RATEGPIVAD KNCEKIHMA PNYYCCGAGT AADTEAVTDM VSSQLRLHRY
QTGRDSRVIT ALTLLKKHLF SYQGHVSAAL VLGVDITGP HLHTIYPHGS TDTLPFATMG SGSLAAMSVF
EAKYKEGLTR DEGIKLVAES ICSGIFNDLG SGSNVDICVI TKGKKEYLRN YMEPNPRTYV SSKGYSFTKK
TEVLLTKITP LLERVEITEV GEAMEE

Sequence Positions

38-273, 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

28,812 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

Proteasome

NCBI Accession

NP_566818.1

NCBI GI

18405364

NCBI GenBank Nucleotide

NM_113658.3

NCBI GeneID

822364

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
N-terminal nucleophile aminohydrolases (Ntn hydrolases) superfamily protein
NCBI Official Symbol
PBB1

NCBI Official Synonym Symbols

20S PROTEASOME BETA SUBUNIT PBB1

NCBI Protein Information

N-terminal nucleophile aminohydrolases (Ntn hydrolases) superfamily protein

NCBI Summary

Encodes 20S proteasome beta subunit PBB1 (PBB1).

UniProt Gene Name

PBB1

UniProt Synonym Gene Names

PRCFA; PRCFB

UniProt Protein Name

Proteasome subunit beta type-7-A

UniProt Synonym Protein Names

20S proteasome beta subunit B-1; Proteasome component FA; Proteasome component FB; Proteasome subunit beta type-2

UniProt Primary Accession

O23710

UniProt Secondary Accession

O81152; Q3EAZ2; Q9T0L7

UniProt Related Accession

O23710

UniProt Comments

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity.

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