

Proteasome subunit beta type-3-A (PBC1), Recombinant Protein

Cat *RP02564*

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-3-A (PBC1)

Product Gene Name

PBC1 recombinant protein

Product Synonym Gene Name

PBC1

Purity

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

Sequence

SIFEYNGSAV VAMVGKNCFA IASDRRLGVQ LQTIATDFQR ISKIHDRVFI GLSGLATDVQ TLYQRLVFRH
KLYQLREERD MKPETFASLV SAILYEKRFQ PYLCQPVIAG LGDDDKPFIC TMDSIGAKEL AKDFVVSSTA
SESLYGACEA MYKPDMEAEF LFETISQALL SSVDRDCLSG WGGHVYIVTP TEIKERILKG RMD

Sequence Positions

2-204, 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

22,839 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_564149.1

NCBI GI

18395025

NCBI GenBank Nucleotide

NM_102021.3

NCBI GeneID

838776

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)

NCBI Official Full Name

proteasome beta subunit C1

NCBI Official Symbol

PBC1

NCBI Official Synonym Symbols

20S PROTEASOME BETA SUBUNIT PBC1; F8K7.15; F8K7_15; proteasome beta subunit C1

NCBI Protein Information

proteasome beta subunit C1

NCBI Summary

20S proteasome beta subunit PBC1 truncated protein (PBC1)

UniProt Gene Name

PBC1

UniProt Synonym Gene Names

PRCT

UniProt Protein Name

Proteasome subunit beta type-3-A

UniProt Synonym Protein Names

20S proteasome beta subunit C-1; Proteasome component T

UniProt Primary Accession

Q9XI05

UniProt Secondary Accession

O23707; Q0WWF5; Q8LEA7; Q8VZC4

UniProt Related Accession

Q9XI05

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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