

Proteasome subunit beta type-3-B (PBC2), Recombinant Protein

Cat RP01856

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)

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Proteasome subunit beta type-3-B (PBC2)

Product Gene Name

PBC2 recombinant protein

Purity

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

Sequence

MSIFEYNGSA VVAMVGKNCF AIASDRRLGV QLQTIATDFQ RISKIHDHLF IGLSGLATDV QTLYQRLVFR
HKLYQLREER DMKPETFASL VSAILYEKRF GPFLCQPVIA GLGDDNKPFI CTMDSIGAKE LAKDFVVSQT
ASESLYGACE AMFKPDMEAE ELFETISQAL LSSVDRDCLS GWGGHVYVVT PKEVKERILK GRMD

Sequence Positions

1-204, 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

22,759 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_001031294.1

NCBI GI

79321410

NCBI GenBank Nucleotide

NM_001036217.1

NCBI GeneID

844080

NCBI Official Full Name

20S proteasome beta subunit C2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Symbol

PBC2

NCBI Official Synonym Symbols

20S proteasome beta subunit C2; 20S PROTEASOME BETA SUBUNIT PBC2; T5M16.3; T5M16_3

NCBI Protein Information

20S proteasome beta subunit C2

NCBI Summary

Encodes beta subunit of 20s proteasome complex which is involved in protein degradation.

UniProt Gene Name

PBC2

UniProt Protein Name

Proteasome subunit beta type-3-B

UniProt Synonym Protein Names

20S proteasome beta subunit C-2

UniProt Primary Accession

O81153

UniProt Secondary Accession

Q9CAR1; Q9SRH0

UniProt Related Accession

O81153

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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