

Proteasome subunit beta type-2-A (PBD1), Recombinant Protein

Cat RP01377

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-2-A (PBD1)

Product Gene Name

PBD1 recombinant protein

Purity

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

Sequence

MECVFGLVGN GFAIVAADTS AVHSILLHKN NEDKIMVLDS HKLVAASGEP GDRVQFTEYV QKNVSLYKFR
NGIPLTTAAA ANFTRGELAT ALRKNPYSVN ILMAGYDDES GASLYYIDYI ATLHKVDKGA FGYGSYFSL
TMDRHYRSDM SVEEAIELVD KCILEIRSRL VVAPPNFVIK IVDKDGARDY AWRQSVKDV TAVV

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

22,541 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_188902.1

NCBI GI

15228805

NCBI GenBank Nucleotide

NM_113162.3

NCBI GeneID

821834

NCBI Official Full Name

20S proteasome beta subunit D1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Symbol
PBD1 *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 Synonym Symbols

20S proteasome beta subunit D1; BETA SUBUNIT; MULTICATALYTIC ENDOPEPTIDASE COMPLEX; PRCGB; PROTEASOME COMPONENT

NCBI Protein Information

20S proteasome beta subunit D1

NCBI Summary

Encodes 20S proteasome beta subunit PBD1 (PBD1).

UniProt Gene Name

PBD1

UniProt Synonym Gene Names

PRCGB

UniProt Protein Name

Proteasome subunit beta type-2-A

UniProt Synonym Protein Names

20S proteasome beta subunit D-1; Proteasome component GB; Proteasome subunit beta type-4

UniProt Primary Accession

O23714

UniProt Related Accession

O23714

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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