

Proteasome subunit alpha type-6 (PAA1), Recombinant Protein

Cat *RP18504*

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Glycine max (Soybean) (Glycine hispida)

Full Product Name

Recombinant Glycine max Proteasome subunit alpha type-6 (PAA1)

Product Gene Name

PAA1 recombinant protein

Purity

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

Sequence

MSRSGSGGGYN RHITIFSPEG RLFQVEYAFK AVKAAGITSI GVRGKDSICV VTHKKVPDKL LDNTSVTHLF
PITKYLGLLA TGMTADARTL VQARNEAAE FRFTYGYEMP VDLAKWIAD KSQVYQTHAY MRPLGVVAMV
LGIDDEYGPQ LYKCDPAGHY FGHKATSAGL KDQEAINFLE KKMKNPSFT YEETVQTAIS ALQSVLQEDF
KATEIEGVV RKNPNPEFRVL TTDEIDEHLT AISERD

Sequence Positions

1-246, 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

27,392 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

O48551.2

NCBI GI

12229897

NCBI GeneID

732640

NCBI Official Full Name

Proteasome subunit alpha type-6

NCBI Official Symbol

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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PAA1 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI Official Synonym Symbols

IOTA

NCBI Protein Information

proteasome subunit alpha type-6

UniProt Gene Name

PAA1

UniProt Protein Name

Proteasome subunit alpha type-6

UniProt Synonym Protein Names

20S proteasome alpha subunit A; 20S proteasome subunit alpha-1; Proteasome iota subunit

UniProt Primary Accession

O48551

UniProt Related Accession

O48551

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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