

RP10191TLQ

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20S proteasome

Catalog No.: RP10191TLQ

Sequence Information

Species **Gene ID** **Swiss Prot**
Bovine

Tags
No Tag

Synonyms
20S proteasome

Product Information

Source **Purification**
Bovine red blood ~95% by native-
cells PAGE

Endotoxin

Formulation
20 mM Tris, 20 mM NaCl, 1 mM EDTA, 5
mM β ME, 10% Glycerol

Reconstitution

Background

The 20S proteasome has a barrel - shaped structure arranged as four heptameric rings of $\alpha\beta\beta\alpha$. In eukaryotes, each of α and β ring is composed of seven different proteins. The $\beta 1$, $\beta 2$ and $\beta 5$ subunits have 'caspase-like', 'trypsin-like' and 'chymotrypsin-like' activities, respectively. In 26S proteasome-mediated protein degradation, to entry the β chamber of the 20S proteasome that houses the proteolytic sites, a substrate protein has to pass through a substrate translocation channel consisting of the double-ring formed by six ATPases of PA700 and the α chamber formed by α subunits of the 20S proteasome.

Basic Information

Description

Bio-Activity

Storage

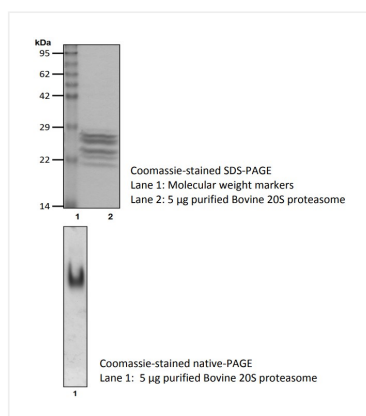
This product is stable at $\leq -70^{\circ}\text{C}$ for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.
Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Bovine 20S proteasome was determined by SDS-PAGE and native-PAGE with Coomassie Blue.