RP10136TLQ
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26S proteasome

Catalog No.: RP10136TLQ 1 Publications

Sequence Information

Species **Gene ID** **Swiss Prot**
HEK293 cells

Tags
No Tag

Synonyms
26S proteasome

Background

The 26S proteasome is an approximately 2.5 mDa large complex composed of the 20S proteasome and the 19S regulatory particle (also called PA700 in mammals). The 20S proteasome has 28 subunits that form a barrel – shaped structure arranged as four heptomeric ring of αββα. Three β subunits have peptidase activities that hydrolyze proteins. Either one or both ends of the 20S proteasome can associate with PA700 to form the 26S proteasome. PA700 contains 19 different proteins that have the ability to bind, deubiquitinate and unfold polyubiquitinated proteins with the consumption of ATP hydrolysis. The 26S proteasome degrades polyubiquitinated proteins, which plays essential roles in regulating various cellular events including protein quality control, gene transcription and signal transduction.

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Endotoxin
Please contact us for more information.

Formulation
20 mM Tris, 40 mM NaCl, 2 mM βME, 2 mM ATP, 5 mM MgCl2, 10% Glycerol (pH 7.6)

Reconstitution

Basic Information

Description

Bio-Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

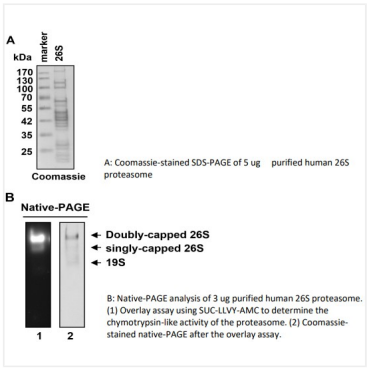
Storage
Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Contact

www.abclonal.com

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Validation Data



26S proteasome was determined by SDS-PAGE and Native-PAGE with Coomassie Blue.

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