Proteasome 19S Rpn10/S5a subunit (human), (recombinant) (GST-tag)

A subunit of the 26S proteasome, S5a, recognises and binds multi-ubiquitinylated proteins containing chains of at least four ubiquitin moieties. Purified recombinant S5a retains the ability to bind multi-ubiquitinylated proteins in isolation, when immobilised on glutathione-Sepharose, and after being eluted from glutathione-Sepharose, run on SDS-PAGE, and blotted onto nitrocellulose. Human S5a sequence, with an N-terminal fusion of glutathione S-transferase (*Schistosoma japonicum*), was expressed in *E. coli* with GST tag at amino terminus.

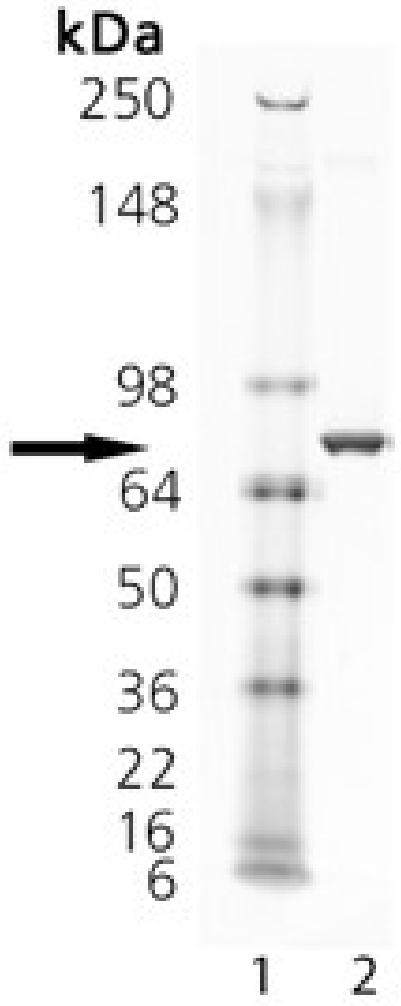
S5a (RPN10), a subunit of the 19S regulator of the 26S proteasome, binds multi-ubiquitinylated proteins containing chains of at least four ubiquitin moieties.

Citations: 1 View Online »

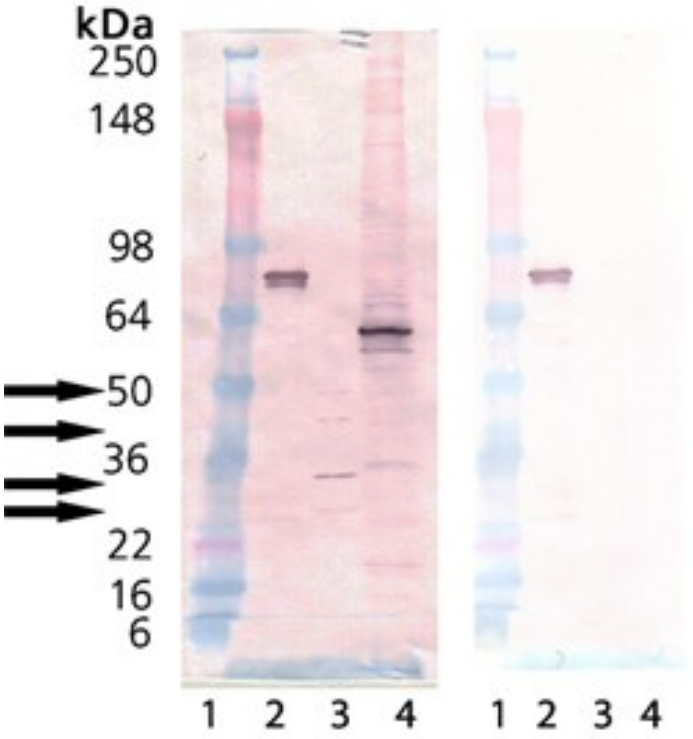
Ordering Information Order Online »

BML-UW8465-0100	100µg

Manuals, SDS & CofA View Online »



SDS-PAGE Analysis of Rpn10/S5a. Lane 1: MW Marker, Lane 2: 1 µg.



Western Blot Analysis of Rpn10/S5a (Prod. No. BML-UW8465). Lane 1: MW Marker, Lane 2: Rpn10/S5a, Lane 3: Multiubiquitin chains (Prod. No. BML-UW8860), Lane 4: HeLa lysate (Prod. No. ADI-LYC-HL100). The blot on the left was probed with 10 µg/ml Rpn10, right with blocking buffer only. Rpn10 was detected by probing with GST polyclonal antibodies.

Handling & Storage

Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status RUO - Research Use Only

Product Details

Activity	Bound to mutliubiquitin chains of length >4 when conjugated to agarose (Prod. No. BML-UW8635).
Alternative Name	26S proteasome non-ATPase regulatory subunit 4, Antisecretory factor 1, Multiubiquitin chain-binding protein
Appearance	Colorless liquid.
Application Notes	Useful for the isolation of multi-ubiquitinylated proteins.
Formulation	Liquid. In 20mM TRIS, pH 7.5, containing 500mM sodium chloride.
MW	~78kDa (observed)
Purity	≥95% (SDS-PAGE)
Purity Detail	Purified by multi-step chromatography.
Source	Produced in *E. coli.*
UniProt ID	P55036

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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