

Lot #

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MATERIAL DATA SHEET

Biotin-S5a, human recombinant

Cat. # UBE-305

S5a (Rpn10), a component of the 19S regulatory complex, functions as a receptor by binding to and recognizing poly-ubiquitinated proteins destined for 26S proteasome degradation. The protein recognizes ubiquitin chains and ubiquitin protein conjugates via two UIM (ubiquitin-interacting motif) domains. Detection with avidin-linked reagents allows for a higher efficiency and detection sensitivity than with other antibodies.

Product Information

Quantity:	250 µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 250 mM NaCl, 5% glycerol, 1 mM DTT.
MW:	43 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical concentrations for <i>in vitro</i> assays are 1-5 µM depending on experimental conditions and detection method.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Bajorek M. and Glickman M.H. (2004) <u>Cell. Mol. Life Sci.</u> 61 :1579-1588 Deveraux Q., <i>et al.</i> (1994) <u>J. Biol. Chem.</u> 269 : 7059-7061 Ferrell K., <i>et al.</i> (1996) <u>FEBs. Lett.</u> 381 : 143-148 Mayor T., <i>et al.</i> (2005) <u>Mol. Cell. Proteomics.</u> 4 :741-751. Ventadour S., <i>et al.</i> (2007) <u>J. Biol. Chem.</u> 282 : 5302-5309 Verma R, <i>et al.</i> (2004) <u>Cell.</u> 118 :99-110
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