Catalog number RG-SUMO

SUMO Protease (Ulp1), His-tagged (10 units/µL)

Recombinant yeast Ulp1 catalytic domain that cleaves SUMO fusion tags by structure, not by sequence, so it leaves the native N-terminal residue on your protein. Works from 4 to 30 °C and carries a His tag so the protease can be pulled out on IMAC after the cut.

Specification

Enzyme class	cysteine protease, Ulp1 peptidase (EC 3.4.22.68)
Concentration	10 units/µL
Unit definition	1 unit cleaves >=90% of 2 µg of the SUMO-fusion control substrate in 1 h at 30 °C in a 20 µL reaction.
Activity assay	cleavage of SUMO-fusion control, SDS-PAGE densitometry
Supplied buffer	25 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM DTT, 50% glycerol
Molecular weight	26 kDa (SDS-PAGE)
Thermostable	No
Applications	SUMO-tag removal, fusion-protein processing
Storage	-20 °C

Ordering

Catalog no.	Pack	List price	Availability
RG-SUMO-1KU	1,000 units	$590	Waitlist
RG-SUMO-10KU	10,000 units	$4,150	Waitlist

Storage and shipping

Cold chain	Frozen, on dry ice. Declared UN1845, dangerous goods class 9.
Hazard classification	dry ice un1845
Certificate of Analysis	Issued per lot and shipped with the product. Any lot can be retrieved at bramantebio.com/support/coa/

Research use only

For research use only. Not for use in diagnostic or therapeutic procedures, and not for human or veterinary use. The purchaser is

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responsible for determining suitability for their application and for compliance with applicable biosafety and institutional requirements.