

RP10215K

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Sumo1, Sumo2, Sumo 3 Conjugation Kit

Catalog No.: RP10215K

Sequence Information

Species	Gene ID	Swiss Prot
Human		
proteins		

Tags

Synonyms

Background

Sumo1, Sumo2, Sumo 3 Conjugation Kit is designed for assaying the conjugation of Sumo1, Sumo2 and Sumo3 to protein substrates in vitro. In a protein sumoylation reaction, a Sumo protein is first activated by the Sumo activating enzyme SAE1/SAE2 (E1) in an ATP hydrolysis-dependent manner; activated Sumo is then transferred to the Sumo conjugating enzyme Ube2I (E2) by formation of a thiolester bond with the catalytic cysteine residue of Ube2I; Sumo-charged Ube2I can mediate protein sumoylation in the presence of an appropriate Sumo ligase (E3).

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.

Product Information

Source	Purification
E. coli recombinant	95% based on SDS-PAGE

Endotoxin

Formulation

20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol

Reconstitution

Contact



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