

RP10212K

Leader in Biomolecular Solutions for Life Science



# Sumo1 Conjugation Kit

Catalog No.: RP10212K

## Sequence Information

Species	Gene ID	Swiss Prot
Human		
proteins		

### Tags

### Synonyms

## Product Information

Source	Purification
E. coli recombinant	90% - 95% based on SDS-PAGE

### Endotoxin

### Formulation

20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME,  
10% Glycerol

### Reconstitution

## Background

Sumo1 Conjugation Kit is designed for assaying the conjugation of Sumo1 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.

## Contact



[www.abclonal.com](http://www.abclonal.com)