

RP10029

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Recombinant human SUMO-2 (Q90P) protein

Catalog No.: RP10029

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	6613	

Tags

6xHis tag

Synonyms

Background

SUMO (small Ub-related modifier) is a Ub-like protein. Three types of SUMO are most commonly studied, SUMO 1, SUMO 2, and SUMO 3. SUMO 2 and SUMO 3 are almost identical isoforms and thus share many functions. Like Ub, SUMO can be conjugated to its target proteins as a polymeric chain. However, SUMO 1 forms chains inefficiently as compared to SUMO 2 and SUMO 3. SUMO is conjugated to target proteins by the E1 (SAE1/SAE2), E2 (Ube2I or Ubc9), E3 (RanBP2/Nup358, amongst others). Protein sumoylation is involved in many cellular processes including gene transcription. The SUMO2(Q90P) mutant can still form polySUMO2 chains, but these chains are often resistant to desumoylation.

Basic Information

Product Information

Source	Purification
<I>E. coli</I>	

Endotoxin

Formulation

Supplied in 20 mM Tris, 150 mM NaCl, 2 mM BME, 10% Glycerol. Contact us for customized product form or formulation.

Reconstitution

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