

Recombinant Human SUMO2 Protein

Cat. No. SUMO2-433H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUMO2(Q90P) Protein is produced by Bacteria expression system.
Species	Human
Source	E.coli
Description	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.
Form	20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Molecular Mass	10.9 kDa
Purity	> 95 % by SDS-PAGE
Storage	Store at -80 centigrade; avoid multiple freeze-thaw cycles.

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GENE INFORMATION

Gene Name SUMO2 small ubiquitin-like modifier 2 [Homo sapiens (human)]

Official Symbol SUMO2

Synonyms HSMT3; SMT3B; SUMO3; Smt3A; SMT3H2; MGC117191

Gene ID 6613

mRNA Refseq NM_006937

Protein Refseq NP_008868

MIM 603042

UniProt ID P61956

SUMO2-433H, 1

Coomassie-stained SDS-PAGE
 Lane 1: Molecular weight markers
 Lane 2: 5 µg purified GST-Sumo 2 (Q90P)
 Lane 3: 5 µg purified Sumo 2 (Q90P)

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