

Recombinant Human SUMO2 Protein, GST-tagged

Cat. No. SUMO2-432H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUMO2 Protein is produced by Bacteria expression system. This protein is fused with a GST tag.
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.
Form	20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Molecular Mass	10.9 kDa
Purity	> 90 % by SDS-PAGE
Storage	Store at -80 centigrade; avoid multiple freeze-thaw cycles.

GENE INFORMATION

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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
SUMO2-432H, 1	Coomassie-stained SDS-PAGE Lane 1: Molecular weight markers Lane 2: 5 µg purified GST-Sumo 2