

Active Recombinant Human SUMO2, His-tagged

Cat. No. SUMO2-588H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SUMO2 (Accession # NM_006937) , fused with a 6-His tag, was produced in E. coli-derived.
Species	Human
Source	E.coli
Form	X mg/ml (X μ M) in 50 mM HEPES pH 8.0, 250 mM NaCl, 1mM DTT, 1mM EDTA. Actual concentration varies with lot number.
Bio-activity	Recombinant Human His6-Pro-SUMO2 can be conjugated to substrate proteins via the subsequent actions of an SUMO-activating (E1) enzyme, an SUMO-conjugating (E2) enzyme, and an SUMO ligase (E3). Reaction conditions will need to be optimized for each specific application. We recommend an initial Recombinant Human His6-Pro-SUMO2 concentration of 10-50 μ M.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

GENE INFORMATION

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Gene Name	SUMO2 SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae) [Homo sapiens]
Official Symbol	SUMO2
Synonyms	SUMO2; SMT3 suppressor of mif two 3 homolog 2 (S. cerevisiae); SMT3 (suppressor of mif two 3, yeast) homolog 2 , SMT3 suppressor of mif two 3 homolog 2 (yeast) , SMT3H2; small ubiquitin-related modifier 2; SMT3B; sentrin 2; SMT3 homolog 2; ubiquitin-like protein SMT3A; ubiquitin-like protein SMT3B; small ubiquitin-like modifier 2; HSMT3; SUMO3; Smt3A; SMT3H2; MGC117191;
Gene ID	6613
mRNA Refseq	NM_001005849
Protein Refseq	NP_001005849
MIM	603042
UniProt ID	P61956
Chromosome Location	17q25