

Small Ubiquitin-Related Modifier 2/SUMO2 Recombinant Protein | SUMO2 recombinant protein

Recombinant Human Small Ubiquitin-Related Modifier 2/SUMO2 Protein (N-6His)

CATALOG # AAA174031	HOST E Coli
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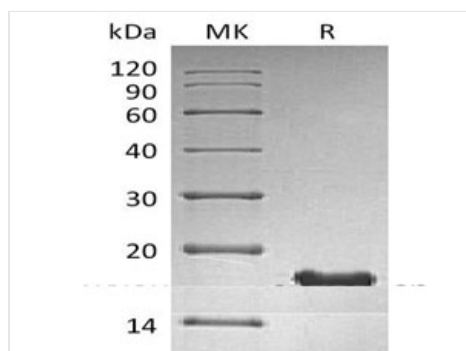
PRODUCT SYNONYMS

Small Ubiquitin-Related Modifier 2/SUMO2; Recombinant Human Small Ubiquitin-Related Modifier 2/SUMO2 Protein (N-6His); Small Ubiquitin-Related Modifier 2; SUMO-2; HSMT3; SMT3 homolog 2; SUMO-3; Sentrin-2; Ubiquitin-Like Protein SMT3A; Smt3A; SUMO2; SMT3A; SMT3H2; SUMO2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Sequence Positions	Met1-Gly93
Sequence Length	71
Species	Human
Endotoxin	<1.0 EU per ug as determined by LAL test.
Fusion Tag	N-6His
Preparation and Storage	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for SUMO2 recombinant protein	Small Ubiquitin-Related Modifier 2 (SUMO2) is an Ubiquitin-like protein that belongs to the ubiquitin family with SUMO subfamily. It is a family of small, related proteins that can be enzymatically attached to a target protein by a post-translational modification process termed sumoylation. SUMO2 can be covalently attached to proteins as a monomer or as a lysine-linked polymer. Covalent attachment via an isopeptidebond to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4. This post-translational modification on lysine residues of proteins plays a crucial role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Polymeric SUMO2 chains are also susceptible to polyubiquitination which functions as a signal for proteasomal degradation of modified proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54792071
NCBI GeneID	6613
NCBI Accession #	NP_001005849.1
NCBI GenBank Nucleotide #	NP_001005849.1
UniProt Accession #	P61956; P55855; Q32Q42; Q6IPZ6; Q96HK1; B2R4I2
Molecular Weight	Molecular Mass: 13.0 kDa Actual Protein Molecular Mass: 17 kDa
NCBI Official Full Name	small ubiquitin-related modifier 2 isoform b
NCBI Official Synonym Full Names	small ubiquitin-like modifier 2
NCBI Official Symbol	SUMO2
NCBI Official Synonym Symbols	HSMT3; SMT3B; SUMO3; Smt3A; SMT3H2
NCBI Protein Information	small ubiquitin-related modifier 2
UniProt Protein Name	Small ubiquitin-related modifier 2
UniProt Gene Name	SUMO2
UniProt Synonym Gene Names	SMT3B1 PublicationManual assertion based on opinion iniRef.8; Smt3B1 PublicationManual assertion based on opinion iniRef.8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.