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## 32-5006: Recombinant Human Small Ubiquitin-Related Modifier 1

**Alternative** Name:

Small ubiquitin-related modifier 1,SUMO-1,Sentrin,Ubiquitin-like protein SMT3C,SMT3 homolog 3,Ubiquitin-

homology domain protein PIC1, Ubiquitin-like protein UBL1, GAP-modifying protein

1,GMP1,SUMO1,SMT3C,SMT3H3,UBL1,PIC1,SMT3,DAP-1,OFC1

## **Description**

Source: Escherichia Coli. The active human SUMO-I (the 1-97 animo acid region of the Ubiquitin-like protein SMT3C precursor). The enzyme contains a single polypeptide band of 11 kDa. The predicted molecular weight of hSOMO I is 11 kDa. The The final fraction of enzyme contains single polypeptide band of approximately 20 kDa on SDS PAGE. SUMO1 is a protein that belongs to the SUMO (small ubiquitin-like modifier) protein family. SUMO1 functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. Still, unlike ubiquitin which targets proteins for degradation, SUMO1 is involved in a variety of cellular processes, for example nuclear transport, transcriptional regulation, apoptosis, and protein stability. SUMO1 is not active until the last four amino acids of the carboxy-terminus are cleaved off.

## **Product Info**

Amount: 50 µg

Purification: Greater than 98.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Content: 10mM sodium chloride, 100mM imidazole, 0.5mM PMSF, 1mM DTT and 10% glycerol.

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of Storage condition:

time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid

multiple freeze-thaw cycles.

