

Human SUMO1/SUMO-1 (His Tag) recombinant protein



Catalog Number: 501250

General Information

Gene Name Synonym

GAP-modifying protein 1; SMT3 homolog 3; Sentrin; Ubiquitin-homology domain protein PIC1; Ubiquitin-like protein SMT3C; Ubiquitin-like protein UBL1

Protein Construction

A DNA sequence encoding the human SUMO1 (AAH66306.1) (Ser 2-Val 101) was expressed, with a polyhistide tag at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to be proteolytically processed by SENP1.
>50% of 1 µg Recombinant Human (rh) SUMO1 is cleaved by < 10 ng of recombinant human SENP.

Purity

> 90 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human SUMO1 consisting of 107 amino acids and has a calculated molecular mass of 12.4 kDa. It migrates as an 22 kDa band in SDS-PAGE under reducing conditions as predicted.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

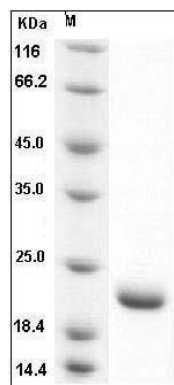
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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