

Recombinant human SUMO2 protein

Catalog Number: ATGP0289

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-93aa

UniProt No.

P61956

NCBI Accession No.

NP_008868

Alternative Names

ubiquitin like protein SMT3B, Small ubiquitin-related modifier 3, SuMO3, SuMO2, SMT3H2, SMT3H1, SMT3B, SMT3A, SMT3 suppressor of mif two 3 homolog 2, SMT3 homolog 2, SMT 3B, Small ubiquitin-related modifier 2 SMT3 suppressor of mif two 3 homolog 2 (*S. cerevisiae*), Small ubiquitin related modifier 2, Small ubiquitin like modifier 2, Sentrin2, MGC117191, HSMT3

PRODUCT SPECIFICATION

Molecular Weight

10.6 kDa (93aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0)

Purity

> 90% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Small ubiquitin-related modifier 2 (SuMO-2) is a member of the SuMO protein family and functions in a manner similar to ubiquitin. However, unlike ubiquitin which targets proteins for degradation, SuMO-2 protein is involved in diverse cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal

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transduction. This protein is not active until the last two amino acids of the carboxy-terminus have been cleaved off. Recombinant human SuMO2 protein was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

MADEKPKEGV K TENNDHINL KVAGQDGSVV QFKIKRHTPL SKLMKAYCER QGLSMRQIRF RFDGQPINET DTPAQLEMED
EDTIDVFQQQ TGG

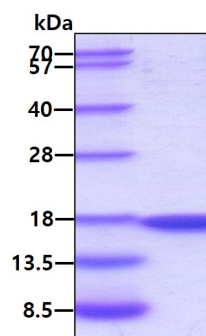
General References

Huang WC., et al. (2004). Eur J Biochem. 271(20):4114-22.

Tatham MH., et al. (2001). J Biol Chem. 276(38):35368-74.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.