

Product information



SUMO-2, 1-93 aa

Human, Recombinant, *E.coli*

Cat. No. IBATGP0289

Full name: Small ubiquitin-related modifier 2

NCBI Accession No.: NP_008868

Synonyms: SUMO-2, SUMO-3, Sentrin-2, HSMT3, SMT3B, SMT3H2,

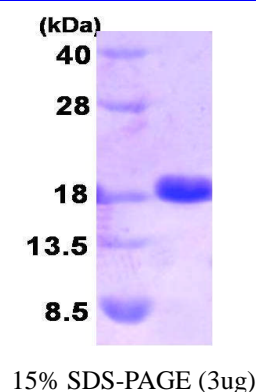
Description: Small ubiquitin-related modifier 2 (SUMO-2) is a member of the SUMO protein family and functions in a manner similar to ubiquitin. However, unlike ubiquitin which targets proteins for degradation, SUMO-2 protein is involved in diverse cellular processes such as nuclear transport, DNA replication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

Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0)

Molecular Weight: 10.6 kDa (93aa)
(Real molecular weight on SDS-PAGE will be shift up)

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MADEKPKEGV K TENNDH I NL KVAGQDGSVV QFK I KRHTPL SKLMKAYCER QGLSMRQ I RF RFDGQP I NET DTPAQLMED EDT I DVFQQQ 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.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Avoid repeated freezing and thawing cycles.

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