

SUMO-2, 1-93 aa, Human, Recombinant, E.coli

Cat.NO.: TP04096

3th Edition

Synonyms: Small ubiquitin-related modifier 2 , SUMO-2, SUMO-3, Sentrin-2, HSMT3, SMT3B, SMT3H2, Small ubiquitin-related modifier 2 SMT3 suppressor of mif two 3 homolog 2 (S, cerevisiae), HSMT 3, MGC117191, Sentrin 2, Sentrin2

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), confirmed by MALDI-TOF.

Sequences:

MADEKPKEGVKTENNDHINLKVAGQDGSVVQFKIKRHTPLSKLMKAYCERQGLSMRQIRFRFDGQPINETDTPAQL
EMEDEDTIDVFQQQTGG

Purity: > 95% by HPLC

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

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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. Avoid repeated freezing and thawing cycles.