

# Recombinant Human SUMO3/SMT3A Protein (His Tag)

Catalog Number:PKSH033070



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

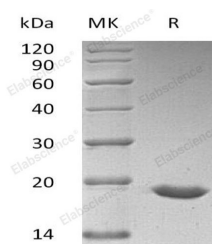
## Description

<b>Synonyms</b>	Small Ubiquitin-Related Modifier 3;SUMO-3;SMT3 Homolog 1;SUMO-2;Ubiquitin-Like Protein SMT3B;Smt3B;SUMO3;SMT3B;SMT3H1
<b>Species</b>	Human
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Met 1-Phe103
<b>Accession</b>	P55854
<b>Calculated Molecular Weight</b>	13.8 kDa
<b>Observed molecular weight</b>	19 kDa
<b>Tag</b>	N-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

SUMO3 belongs to the SUMO protein family and operates like ubiquitin. Ubiquitin-like protein which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Nevertheless unlike ubiquitin that targets proteins for degradation; SUMO3 takes part in several cellular processes; such as nuclear transport; transcription regulation; apoptosis and protein stability. SUMO3 participates in amyloid beta generation and has a key role in the onset or progression of Alzheimer's disease.

## For Research Use Only

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