

Product datasheet

Recombinant Human Sumo 3 protein ab157052

Overview

Product name	Recombinant Human Sumo 3 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	P55854
Species	Human
Amino acids	1 to 103

Specifications

Our [Abpromise guarantee](#) covers the use of **ab157052** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Purity	>95% by SDS-PAGE . Sumo 3 chains were synthesised enzymatically using Sumo 3 and purified by size exclusion chromatography to remove Sumo 3 monomer.
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. pH: 7.50 Constituents: 0.02% DTT, 0.61% Tris, 0.88% Sodium chloride
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General Info

Function	Ubiquitin-like protein which can be covalently attached to target lysines either as a monomer or as a lysine-linked polymer. Does not seem to be involved in protein degradation and may function as
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an antagonist of ubiquitin in the degradation process. Plays a role in a number of cellular processes such as nuclear transport, DNA replication and repair, mitosis and signal transduction. Covalent attachment to its substrates requires prior activation by the E1 complex SAE1-SAE2 and linkage to the E2 enzyme UBE2I, and can be promoted by an E3 ligase such as PIAS1-4, RANBP2 or CBX4.

Tissue specificity

Expressed predominantly in liver.

Sequence similarities

Belongs to the ubiquitin family. SUMO subfamily.
Contains 1 ubiquitin-like domain.

Post-translational modifications

Polymeric chains can be formed through Lys-11 cross-linking.
Cleavage of precursor form by SENP1, SENP2 or SENP5 is necessary for function.

Cellular localization

Cytoplasm.

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