Recombinant Human SUMO3/SMT3A Protein

Catalog Number:PKSH033068

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

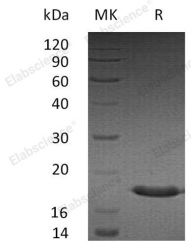
Description

Synonyms	Small Ubiquitin-Related Modifier 3;SUMO-3;SMT3 Homolog 1;SUMO-2;Ubiquitin-Like Protein SMT3B;Smt3B;SUMO3;SMT3B;SMT3H1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Phe103
Accession	P55854
Calculated Molecular Weight	11.6 kDa
Observed molecular weight	18 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. 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 manual.
Reconstitution	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 polyer. Nevertheless unlike ubiquitin that targets proteins for degration; SUMO3 takes part in several cellular processess; such as nuclear transport; transcription regulation; apoptosis and protein stability. SUMO3 participates in amyloid beta generation and has a key role in the oneset or progression of Alzheimer's disease.

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