Product Name: Recombinant Human SUMO3 (C-6His)
Catalog #: PHH1542

Summary

Name	Small Ubiquitin-Related Modifier 3/SUMO3/SMT3A
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Small Ubiquitin-related Modifier 3 is produced by our Mammalian expression system and the target gene encoding Ser2-Gly92 is expressed with a 6His tag at the C-terminus.
Accession #	P55854
Host	Human Cells
Species	Human
Predicted Molecular Mass	11.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Citrate, 10% Trehalose, 3% Dextran-70, 50mM NaCl, 0.05% Tween80, pH3.5.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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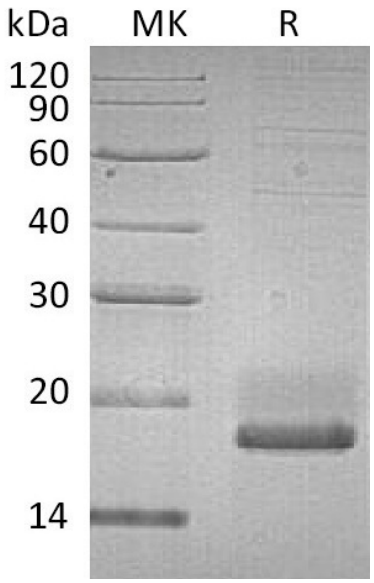

Alternative Names

Small ubiquitin-related modifier 3; SUMO-3; SMT3 homolog 1; SUMO-2; Ubiquitin-like protein SMT3A; Smt3A

Background

Small ubiquitin-like modifier (SUMO), also known as SUMO homologue and SMT3, is a member of the superfamily of ubiquitin-like polypeptides that become covalently attached to various intracellular target proteins as a way to alter their function, location, and/or half-life. Small ubiquitin-like modifiers include SUMO1, SUMO2, SUMO3, and SUMO4. Except for SUMO4, all other SUMOs are ubiquitously expressed, including in the brain. In human, SUMO2 and SUMO3 are two highly homologous proteins, collectively called SUMO2/3. Several studies suggest that SUMO3 are associated with pathogenesis in several neurological diseases, including Alzheimers disease, Parkinsons disease, and cerebral ischemia/stroke.

Note

For Research Use Only , Not for Diagnostic Use.