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Elabscience®

Recombinant Human SUMO3/SMT3A Protein (aa 2-92, His Tag)

Catalog No. PKSH033069

Description

Synonyms	Small ubiquitin-related modifier 3; SUMO-3; SMT3 homolog 1; SUMO-2; Ubiquitin-like protein SMT3A; Smt3A
Species	Human
Expression_host	Human Cells
Sequence	Ser2-Gly92
Accession	P55854
Mol_Mass	11.1 kDa
AP_Mol_Mass	20 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg 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, pH7.4.
Reconstitution	Please refer to the printed manual for detailed information.

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 Alzheimer's disease, Parkinson's disease, and cerebral ischemia/stroke.

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