

Recombinant Human Ubiquitin carboxyl-terminal hydrolase 16 protein

Catalog No.: RP10204LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	10600	Q9Y5T5

Tags

His Tag

Synonyms

USP16;UBP-M;UBPM

Product Information

Source	Purification
sf9 insect cells	>90% by SDS-PAGE

Endotoxin

Formulation

20 mM Tris, 150 mM NaCl, 2 mM β ME,
10% Glycerol

Reconstitution

Background

USP16 is an active deubiquitinating enzyme (DUB) encoded on chromosome 21, trisomy of which causes Down's syndrome (DS). USP16 is a phosphoprotein, phosphorylation of USP16 controls its cellular localization, but no effect on its DUB activity. USP16 deubiquitinates histone 2A (H2A), through which USP16 might regulate gene expression and cell cycle progression. Increased USP16 protein levels in people with DS might contribute to the development of certain phenotypes of DS.

Basic Information

Description

Bio-Activity

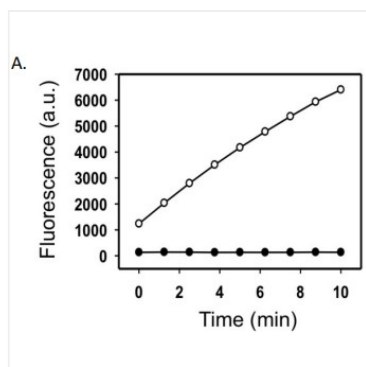
Storage

This product is stable at $\leq -70^{\circ}\text{C}$ for up to 6 months from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



15 nM USP16 was mixed with 500 nM Ub-Rhodamine 110, released rhodamine 110 was monitored by a plate reader with excitation/emission filter set at 480 ± 30 nm/ 528 ± 20 nm, respectively.