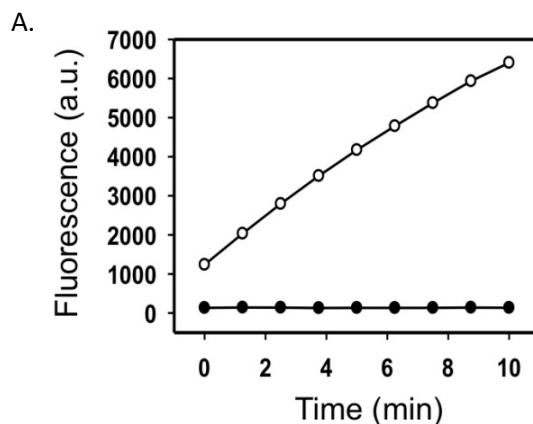


6xHis-USP16

Cat. # H6600

Also Known as: UBPM; UBP-M
NCBI Reference: NM_006447.2
MW (no tag): 93.6 kDa
Species: Human
Source: sf9 insect cell
Tag: 6xHis
Stock Buffer: 20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol
Concentration: See tube label
Quality Assurance: ~90% by SDS-PAGE

Image



A. 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.

Description: 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.

Storage: Store at -80°C ; avoid multiple freeze-thaw cycles

Note: N/A

Literature:
1. Joo HY, *et al.* (2007), Nature 449:1068-1072
2. Adorno M, *et al.* (2013) Nature 501:380-384

