

## USP22 Protein, Human (Sf9)

Cat. No.:	HY-P701443
Synonyms:	USP22; Ubiquitin carboxyl-terminal hydrolase 22; Deubiquitinating enzyme 22; Ubiquitin thioesterase 22; Ubiquitin-specific-processing protease 22
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9UPT9 (V2-E525)
Gene ID:	23326
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	USP22 Protein serves as a histone deubiquitinating component within the transcription regulatory histone acetylation (HAT) complex SAGA. This enzyme plays a crucial role in catalyzing the deubiquitination of histones H2A and H2B, functioning as a coactivator in the process. Its recruitment to specific gene promoters is facilitated by activators such as MYC, and it proves essential for transcriptional activation. Additionally, USP22 is required for nuclear receptor-mediated transactivation and contributes to the regulation of cell cycle progression, highlighting its multifaceted involvement in key cellular processes. The dynamic interplay of USP22 within the SAGA complex underscores its significance in the orchestration of transcriptional events and cellular homeostasis.
------------	--

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA