USP29 Protein, Human (Sf9, FLAG)

Cat. No.:	HY-P701449
Synonyms:	USP29; Ubiquitin carboxyl-terminal hydrolase 29; Deubiquitinating enzyme 29; Ubiquitin thioesterase 29; Ubiquitin-specific-processing protease 29
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9HBJ7 (I2-A922)
Gene ID:	57663
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.
Reconsititution	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	The USP29 Protein, as the subject of this description, plays a significant role as a deubiquitinase in innate antiviral immunity. It mediates 'Lys-48'-linked deubiquitination of CGAS, a key player in the cellular response to viral infections, leading to the stabilization of CGAS. This regulatory function underscores the importance of USP29 in modulating the activity of CGAS, a crucial sensor in the innate immune system. By facilitating the deubiquitination of CGAS, USP29 contributes to the maintenance of its stability, thereby enhancing its effectiveness in recognizing and responding to viral threats within the cellular environment.

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