



Certificate of Analysis

USP47 Protein, Human (Sf9, FLAG)

Cat. No.:	HY-P701421
Batch No.:	384951
Species:	Human
Source:	<i>Sf9 insect cells</i>
Tag:	C-Flag
Accession:	Q96K76 (V2-D1375)
Gene ID:	55031
Molecular Weight:	Approximately 158.3 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	92.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	The fundamental role of USP47 is specific removal of ubiquitin from substrates. USP47 catalyses the ubiquitin from the substrate Ub-Rho110 to release fluorophores. Rho110 will release 535 nM emission ligat under the excitation condition of 485 nM. The signal of which can be quickly and reliably captured using a microplate reader.	PASS
Appearance	Solution	
Concentration	0.95 mg/mL	
Reconstitution	N/A.	
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	

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

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