

UCHL5 Protein, Human

Cat. No.:	HY-P701406
Synonyms:	UCHL5; Ubiquitin carboxyl-terminal hydrolase isozyme L5; UCH-L5; Ubiquitin C-terminal hydrolase UCH37; Ubiquitin thioesterase L5
Species:	Human
Source:	E. coli
Accession:	Q9Y5K5 (T2-K329)
Gene ID:	51377
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	UCHL5, a protease of notable specificity, is tasked with the cleavage of 'Lys-48'-linked polyubiquitin chains, operating as a deubiquitinating enzyme intricately associated with the 19S regulatory subunit of the 26S proteasome. While positioned as a putative regulatory component within the INO80 complex, UCHL5 remains inactive within this context. However, a transient interaction between the INO80 complex and the proteasome, facilitated by ADRM1, serves as the key activator for UCHL5, unlocking its deubiquitinating prowess. This nuanced regulatory role highlights UCHL5's participation in the dynamic interplay between ubiquitin-dependent processes and the proteasomal machinery.
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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

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