

UbcH6/UBE2E1 Protein, Human (Sf9)

Cat. No.:	HY-P701346
Synonyms:	UBE2E1; Ubiquitin-conjugating enzyme E2 E1; (E3-independent) E2 ubiquitin-conjugating enzyme E1; E2 ubiquitin-conjugating enzyme E1; UbcH6; Ubiquitin carrier protein E1; Ubiquitin-protein ligase E1
Species:	Human
Source:	Sf9 insect cells
Accession:	P51965 (S2-T193)
Gene ID:	7324
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, 1 mM DTT.
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	UbcH6/UBE2E1, a pivotal component of the ubiquitination machinery, functions as an E2 ubiquitin-conjugating enzyme by accepting ubiquitin from the E1 complex and catalyzing its covalent attachment to other proteins. Notably versatile, this enzyme also facilitates the covalent attachment of ISG15 to other proteins, highlighting its role in diverse ubiquitin-like modifications. Beyond conventional ubiquitination, UbcH6/UBE2E1 plays a crucial role in the selective degradation of short-lived and abnormal proteins, contributing to cellular quality control mechanisms. Furthermore, in vitro studies demonstrate its ability to catalyze 'Lys-48'-linked polyubiquitination, underscoring its involvement in the regulation of protein stability and turnover.
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Caution: Product has not been fully validated for medical applications. For research use only.

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