

## UB2E2 Protein, Human (Sf9, His, Strep)

Cat. No.:	HY-P701496
Synonyms:	UBE2E2; Ubiquitin-conjugating enzyme E2 E2; E2 ubiquitin-conjugating enzyme E2; UbcH8; Ubiquitin carrier protein E2; Ubiquitin-protein ligase E2
Species:	Human
Source:	Sf9 insect cells
Accession:	Q96LR5 (S2-T201)
Gene ID:	7325
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	UB2E2, a pivotal player in the ubiquitin-proteasome system, functions as an E2 ubiquitin-conjugating enzyme, accepting ubiquitin from the E1 complex and catalyzing its covalent attachment to other proteins. In vitro, UB2E2 showcases its versatility by catalyzing 'Lys-11', 'Lys-48', and 'Lys-63'-linked polyubiquitination, indicating its involvement in diverse cellular processes. Additionally, UB2E2 displays a unique capability to catalyze the ISGylation of influenza A virus NS1 protein, further expanding its functional repertoire and highlighting its significance in antiviral responses. This multifaceted activity underscores UB2E2's crucial role in protein modification and degradation pathways within the cellular regulatory network.
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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](mailto:tech@MedChemExpress.com)

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