

UBE2F Protein, Human (His)

Cat. No.:	HY-P76688
Synonyms:	NEDD8-conjugating enzyme UBE2F; NCE2
Species:	Human
Source:	E. coli
Accession:	Q969M7 (M1-R185)
Gene ID:	140739
Molecular Weight:	Approximately 25 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 10% Glycerol, 2 mM DTT, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	UBE2F protein plays a crucial role in the ubiquitin-like protein NEDD8 conjugation pathway, accepting NEDD8 from the UBA3-NAE1 E1 complex and catalyzing its covalent attachment to various target proteins. Its distinctive interaction with the E3 ubiquitin ligase RBX2, rather than RBX1, implies that the RBX2-UBE2F complex is specialized in neddylation specific target proteins, notably CUL5. This specific interaction and neddylation activity highlight UBE2F's involvement in the regulation of cellular processes related to the targeted ubiquitination of key substrates.
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Caution: Product has not been fully validated for medical applications. For research use only.

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