

## Product datasheet for **TP308780**

### UBE2L3 (NM\_003347) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin-conjugating enzyme E2L 3 (UBE2L3), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208780 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAASRRLMKELEEIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDKGAFRIEINFPAEYPFKPPKITF  
KTKIYHPNIDEKGQVCLPVISAENWKPATKTDQVIQSLIALVNDPQPEHPLRADLAEYSKDRKKFKCKNA  
EEFTKKYGEKRPVD

**TR**TRPLE**Q**KLISEEDLAANDILDY**K**DDDD**KV**

Tag:	C-Myc/DDK
Predicted MW:	17.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	ELISA capture for autoantibodies (PMID: <a href="https://pubmed.ncbi.nlm.nih.gov/26616590/">26616590</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="https://ncbi.nlm.nih.gov/RefSeq/record/NP_003338">NP_003338</a>
Locus ID:	7332



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UniProt ID: [P68036](#)

RefSeq Size: 3028

Cytogenetics: 22q11.21

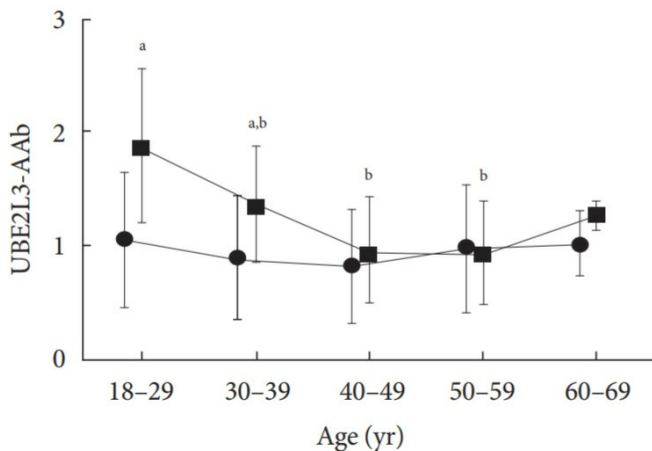
RefSeq ORF: 462

Synonyms: E2-F1; L-UBC; UBCH7; UbcM4

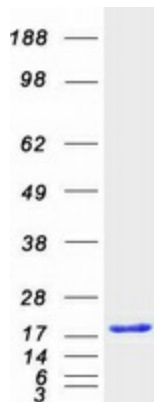
**Summary:** The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes (E1s), ubiquitin-conjugating enzymes (E2s) and ubiquitin-protein ligases (E3s). This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is demonstrated to participate in the ubiquitination of p53, c-Fos, and the NF- $\kappa$ B precursor p105 in vitro. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2009]

**Protein Pathways:** Parkinson's disease, Ubiquitin mediated proteolysis

**Product images:**



The mean levels of serum ubiquitin-conjugating enzyme 2L3 autoantibody (UBE2L3-AAb) by age group in type 1 diabetes mellitus patients (squares) vs. non-diabetic control subjects (circles), as measured by ELISA using recombinant UBE2L3 (OriGene TP308780). a: significantly different compared to nondiabetic control subjects in each age group ( $P < 0.05$ ); b: significantly different compared to 18- to 29-year-old in each disease status (non-diabetic control group and type 1 diabetes mellitus patients, respectively;  $P < 0.05$ ). Figure cited from Diabetes Metab J, PMID: 26616590



Coomassie blue staining of purified UBE2L3 protein (Cat# TP308780). The protein was produced from HEK293T cells transfected with UBE2L3 cDNA clone (Cat# [RC208780]) using MegaTran 2.0 (Cat# [TT210002]).