

# Recombinant human UBE2Q2 protein

Catalog Number: ATGP3121

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-375aa

### UniProt No.

Q8WVN8

### NCBI Accession No.

NP\_775740

### Alternative Names

Ubiquitin-conjugating enzyme E2 Q2 isoform1, UB2Q2, Ubiquitin carrier protein Q2, Ubiquitin conjugating enzyme E2Q, Ubiquitin-protein ligase Q2

## PRODUCT SPECIFICATION

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### Molecular Weight

45.2 kDa (398aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 30% glycerol, 1mM DTT

### Purity

> 85% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

UBE2Q2 also known as Ubiquitin-conjugating enzyme E2 Q2 isoform1. UBE2Q2 Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes Lys-48-linked polyubiquitination. This protein detected in hypopharyngeal head and neck squamous cell carcinoma, in tumor masses and invasive epithelium. It belongs to the ubiquitin-conjugating enzyme family. Recombinant human UBE2Q2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

## Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMSVSLK AELKFLASIF DKNHERFRIV SWKLDELHCQ FLVPQQGSPH SLPPPLTLHC  
NITESYPSSS PIWFVDSERP NLTSVLERLE DTKNNNLLRQ QLKWLICELC SLYNLPKHLV VEMLDQPLPT GQNGTTEEV  
SEEEEEEEEM AEDIEDLDHY EMKEEEPISG KKSEDEGIEK ENLAILEKIR KTQRQDHLNG AVSGSVQASD RLMKELRDIY  
RSQSYKTGIY SVELINDSLY DWHVKLQKVD PDSPLHSDLQ ILKEKEGIEY ILLNFSFKDN FPFDPFVVRV VLPVLSGGYV  
LGGGALCMEL LTKQGWSSAY SIESVIMQIN ATLVKGGKARV QFGANKNQYN LARAQSYNS IVQIHEKNGW YTPPKEDG

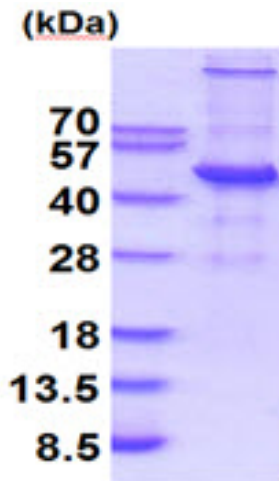
## General References

Seghatoleslam A., et al. (2012) Arch Iran Med 15 (6), 352-355

Nikseresht M., et al. (2010) Cancer Genet. Cytogenet. 197 (2), 101-106

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)