

# Recombinant human UBE2G1 protein

Catalog Number: ATGP2890

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-170aa

### UniProt No.

P62253

### NCBI Accession No.

NP\_003333

### Alternative Names

Ubiquitin-conjugating enzyme E2 G1, E2 ubiquitin-conjugating enzyme G1, E217K, UBC7, Ubiquitin carrier protein G1, Ubiquitin-protein ligase G1, UBE2G

## PRODUCT SPECIFICATION

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### Molecular Weight

21.9 kDa (193aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

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

### Purity

> 95% 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

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, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. uE2G1 is a member of the E2 ubiquitin-conjugating enzyme family and catalyzes the covalent attachment of ubiquitin to other proteins. The protein may be involved in degradation of muscle-specific proteins. Recombinant human

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uBE2G1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHHH SGLVPRGSH MGSMTLQSA LLLRRQLAEL NKNPVEGFSA GLIDDNDLYR WEVLIIGPPD TLYEGGVFKA  
HLTFPKDYPL RPPKMKFITE IWHPNVDKNG DVCISILHEP GEDKYGYEKP EERWLPIHTV ETIMISVISM LADPNGDSPA  
NVDAAKEWRE DRNGEFKRKV ARCVRKSQET AFE

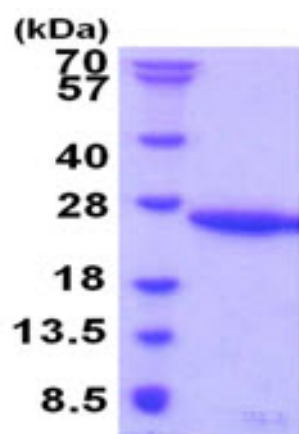
## General References

Shibata,E., et al. (2011) Mol. Cell. Biol. 31 (15), 3136-3145

Hassink,G., et al. (2005) Biochem. J. 388 (PT 2), 647-655

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)