

# Recombinant human UBE2G2 protein

Catalog Number: ATGP3119

## PRODUCT INFORMATION

**Expression system**

E.coli

**Domain**

1-165aa

**UniProt No.**

P60604

**NCBI Accession No.**

NP\_003334

**Alternative Names**

Ubiquitin-conjugating enzyme E2 G2, E2 ubiquitin-conjugating enzyme G2, Ubiquitin carrier protein G2, Ubiquitin-protein ligase G2, UBC7

## PRODUCT SPECIFICATION

**Molecular Weight**

21 kDa (188aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by absorbance at 280nm)

**Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% 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

**Description**

UBE2G2 also known as Ubiquitin-conjugating enzyme E2 G2 isoform 1. The modification of UBE2G2 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. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. UBE2G2 is ubiquitously expressed, with high expression seen in adult

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muscle. Recombinant human UBE2G2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMAGTALK RLMAEYKQLT LNPPEGIVAG PMNEENFFEW EALIMGPEdT CFEFGVFPAl  
LSFPLDYPLS PPKMRFTCEM FHPNIYPDGR VCISILHAPG DDPMGYESSA ERWSPVQSVE KILLSVVSML AEPNDESGAN  
VDASKMWRDD REQFYKIAKQ IVQKSLGL

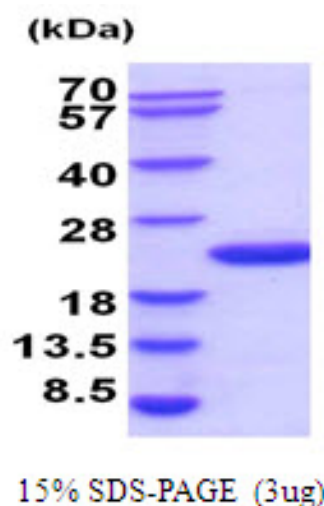
## General References

Liu W., et al. (2014) EMBO J. 33 (1), 46-61

Spandl J., et al. (2011) J. Biol. Chem. 286 (7), 5599-5606

## DATA

### SDS-PAGE



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