

**UBE2G1, 1-170aa Human, His tag, E.coli**

**Cat.NO.: TP04385**

3th Edition

**Synonyms:**Ubiquitin-conjugating enzyme E2G 1, E217K, UBC7, UBE2G

**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. UBE2G1 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 UBE2G1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate buffered saline (pH7.4) containing, 30% glycerol, 1mM DTT

**Molecular Weight:**21.9kDa (193aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMTELQSALLRRQLAELNKNPVEGFSAAGLIDDNDLYRWEVLIIGPPDTLYEG  
GVFKAHLTFPKDYPLRPPKMKFITEIWHPNVDKNGDVCISILHEPGEDKYGYEKPEERWLPPIHTVETIMISVISMLADP  
NGDSPANVDAAKEWREDRNGEFKRKVARCVRKSQETAFA

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.