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AR51710PU-N Human UBE2G1 (1-170, His-tag) - Purified

Alternate names: E217K, UBC7, UBE2G, Ubiquitin carrier protein G1, Ubiquitin-conjugating enzyme E2 G1, Ubiquitin-protein ligase G1

Quantity: 0.5 mg

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

Background: 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.

Uniprot ID: P62253

NCBI: NP_003333

GeneID: 7326

Species: Human

Source: E. coli

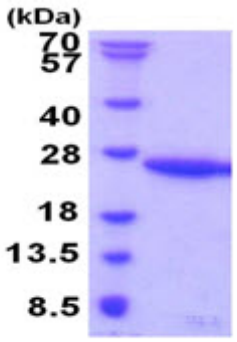
Format:
State: Liquid purified protein
Purity: >95% by SDS - PAGE
Buffer System: Phosphate buffered saline (pH7.4) containing, 30% glycerol, 1mM DTT.

Description: Recombinant human UBE2G1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMTELQSA LLLRRQLAEL NKNPVEGFSA GLIDDNDLYR
WEVLIIGPPD TLYEGGVFKA HLTFPKDYPL RPPKMKFITE IWHPNVDKNG DVCISILHEP
GEDKYGYEKP EERWLPIHTV ETIMISVISM LADPNGDSPA NVDAAKEWRE DRNGEFKRKV
ARCVRKSQET AFE
Molecular weight: 21.9 kDa (193aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Shibata,E., et al. (2011) Mol. Cell. Biol. 31 (15), 3136-3145 Hassink,G., et al. (2005) Biochem. J. 388 (PT 2), 647-655

Pictures:



15% SDS-PAGE (3ug)