Recombinant Human UBE2G1, His-tagged

Cat. No. UBE2G1-267H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human UBE2G1 (UBC7) was expressed in E. coli cells using an N-terminal His tag.
Species	Human
Source	E.coli
Description	UBE2G1 (UBC7) or ubiquitin-conjugating enzyme E2G 1 is a member of the E2 ubiquitin-conjugating enzyme family and catalyzes the covalent attachment of ubiquitin to other proteins which are involved in degradation of muscle-specific proteins. UBC7 is highly expressed in skeletal muscle. UBC7 is involved in the selective ubiquitylation of different substrates by the same E3 complex.
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Molecular Mass	~21 kDa
Purity	>95% by densitometry
Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	0.1 μg/μl

GENE INFORMATION

Gene Name	UBE2G1 ubiquitin-conjugating enzyme E2G 1 [Homo sapiens]
Official Symbol	UBE2G1
Synonyms	UBE2G1; ubiquitin-conjugating enzyme E2G 1; UBE2G, ubiquitin conjugating enzyme E2G 1 (homologous to C. elegans UBC7) , ubiquitin conjugating enzyme E2G 1 (UBC7 homolog, C. elegans) , ubiquitin conjugating enzyme E2G 1 (UBC7 homolog, yeast); ubiquitin-conjugating enzyme E2 G1; UBC7; ubiquitin-protein ligase G1; ubiquitin carrier protein G1; ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast); ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans); ubiquitin-conjugating enzyme E2G 1 (homologous to C. elegans UBC7); E217K; UBE2G;
Gene ID	7326
mRNA Refseq	NM_003342
Protein Refseq	NP_003333
MIM	601569
UniProt ID	P62253
Chromosome Location	17p13.2
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC

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	mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Parkinsons disease, organism-specific biosystem;
Function	ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; ubiquitin protein ligase binding; ubiquitin-protein ligase activity;

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