Recombinant Human UBE2J1, GST-tagged

Cat. No. UBE2J1-126H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human UBE2J1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	UBE2J1 is a member of the E2 ubiquitin-conjugating enzyme family which is located in the membrane of the endoplasmic reticulum (ER) and may contribute to quality control ER-associated degradation by the ubiquitin-proteasome system. UBE2J1 is play an important role in the homeostatic regulation of MHC class I assembly and expression. HRD1 and UBE2J1 associate in a complex together with non-β2m bound MHC class I heavy chains, Derlin 1, and p97 and discriminate misfolded MHC class I from conformational MHC I-β2m-peptide heterotrimers.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~70 kDa
Purity	>70% by densitometry
Applications	Western Blot
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller

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

	quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 μg/μl

GENE INFORMATION

Gene Name	UBE2J1 ubiquitin-conjugating enzyme E2, J1, U [Homo sapiens]
Official Symbol	UBE2J1
Synonyms	UBE2J1; ubiquitin-conjugating enzyme E2, J1, U; ubiquitin conjugating enzyme E2, J1 (UBC6 homolog, yeast); ubiquitin-conjugating enzyme E2 J1; CGI 76; HSPC153; NCUBE1; UBC6; HSUBC6e; non-canonical ubiquitin-conjugating enzyme 1; yeast ubiquitin-conjugating enzyme UBC6 homolog E; ubiquitin-conjugating enzyme E2, J1 (UBC6 homolog, yeast); Ubc6p; CGI-76; HSPC205; NCUBE-1; HSU93243; MGC12555;
Gene ID	51465
mRNA Refseq	NM_016021
Protein Refseq	NP_057105
UniProt ID	Q9Y385
Chromosome Location	6q16.1
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 activity;

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