

## Recombinant Human UBE2M protein

Cat. No. UBE2M-001H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UBE2M protein was expressed in Escherichia coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	183
<b>Description</b>	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. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin.
<b>Form</b>	0.2µm Filtered concentrated solution in 50 mM HEPES, pH 6.5, with 125 mM NaCl, 10 % Glycerol, 5 % Trehalose, 1 mM DTT.
<b>Molecular Mass</b>	Approximately 20.9 kDa, a single non-glycosylated polypeptide chain containing 183 amino acids.
<b>AA Sequence</b>	MIKLFSLKQQKKEEESAGGTKGSSKASAAQLRIQKDINELNLPKTCDISFSDPDDL NFKLVICPDEGFYKSGKFVFSFKVGGYPHPPKVKCETMVYHPNIDLEGNVCLNIL REDWKPVLINSIIYGLQYLFLEPNPEDPLNKEAAEVLQNNRRLFEQNVQRSMRGGY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

IGSTYFERCLK

**Endotoxin** Less than 0.1 EU/g of rHuUBE2M as determined by LAL method.

**Purity** >95% by SDS-PAGE and HPLC analysis.

**Storage** Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 centigrade as supplied. 3 months, -20 to -70 centigrade under sterile conditions after opening.

## GENE INFORMATION

**Gene Name** [UBE2M](#)

**Official Symbol** [UBE2M](#)

**Synonyms** UBE2M; ubiquitin-conjugating enzyme E2M; ubiquitin conjugating enzyme E2M (homologous to yeast UBC12) , ubiquitin conjugating enzyme E2M (UBC12 homolog, yeast); NEDD8-conjugating enzyme Ubc12; hUbc12; UBC12; yeast UBC12 homolog; NEDD8 protein ligase; NEDD8 carrier protein; ubiquitin-protein ligase M; ubiquitin carrier protein M; ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast); UBC-RS2;

**Gene ID** [9040](#)

**mRNA Refseq** [NM\\_003969](#)

**Protein Refseq** [NP\\_003960](#)

**MIM** [603173](#)

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