

Recombinant Human UBE2M protein

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

SPECIFICATION

Product Overview	Recombinant Human UBE2M protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	183
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. 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.
Form	0.2µm Filtered concentrated solution in 50 mM HEPES, pH 6.5, with 125 mM NaCl, 10 % Glycerol, 5 % Trehalose, 1 mM DTT.
Molecular Mass	Approximately 20.9 kDa, a single non-glycosylated polypeptide chain containing 183 amino acids.
AA Sequence	MIKLFSLKQQKKEEESAGGTKGSSKKASAAQLRIQKDINELNLPKTCDISFSDPDDL NFKLVICPDEGFYKSGKFVFSFKVGQGYPHDPPKVKCETMVYHPNIDLEGNVCLNIL REDWKPVLINSIYGLQYLFLEPNPEDPLNKEAAEVLQNNRRRLFQNVQQRSMRGGY

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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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UniProt ID

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