Recombinant Full Length Human UBE2L3 protein, N-His-tagged

Cat. No. UBE2L3-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBE2L3 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	1-154 a.a.
Description	Ubiquitin-conjugating enzyme E2 L3 belongs to the ubiquitin-conjugating enzyme family and is encoded by the UBE2L3 gene in humans. The ubiquitin-conjugating enzymes, also known as E2 enzymes and more rarely as ubiquitin-carrier enzymes, take part in the second step in the ubiquitination reaction. In this reaction, E1 activates the ubiquitin by covalently attaching the molecule to its active site cysteine residue. The activated ubiquitin is then transferred to an E2 cysteine and then the E2 molecule binds E3 via a structurally conserved binding region. The UBE2L3 specifically acts with HECT-type and RBR family E3 ubiquitin-proteinshown to interact with UBOX5, ARIH1, Cbl gene, UBE3A and NEDD4. Down-regulated during the S-phase it is involved in progression through the cell cycle. Additionally, UBE2L3 regulates nuclear hormone receptors transcriptional activity and plays a role in myelopoiesis.
Form	0.2μm Filtered concentrated solution in 50 mM HEPES, pH 7.0, with 125 mM NaCl, 10 % Glycerol, 5 % Trehalose, 1 mM DTT.

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

Molecular Mass	Approximately 18.9 kDa, a single non-glycosylated polypeptide chain containing 154 amino acids (a.a.) of human UBE2L3/UBCH7 and 8 a.a. vector sequence including 6 × His tag at N-terminus.
AA Sequence	MHHHHHHAMAASRRLMKELEEIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDK GAFRIEINFPAEYPFKPPKITFKTKIYHPNIDEKGQVCLPVISAENWKPATKTDQVIQSL IALVNDPQPEHPLRADLAEEYSKDRKKFCKNAEEFTKKYGEKRPVD
Endotoxin	Less than 1 EU/μg of rHuUBE2L3, His 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	UBE2L3
Official Symbol	UBE2L3
Synonyms	UBE2L3; ubiquitin-conjugating enzyme E2L 3; ubiquitin-conjugating enzyme E2 L3; UBCH7; ubiquitin-protein ligase L3; ubiquitin carrier protein L3; ubiquitin-conjugating enzyme E2-F1; ubiquitin-conjugating enzyme UBCH7; E2-F1; L-UBC; UbcM4;
Gene ID	7332
mRNA Refseq	NM_001256355
Protein Refseq	NP_001243284

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

MIM	603721
UniProt ID	P68036

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