

Recombinant Mouse Ube2i Protein, Myc/DDK-tagged

Cat. No. Ube2i-6789M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin-conjugating enzyme E2I (cDNA clone MGC:46871 IMAGE:4951933), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Accepts the ubiquitin-like proteins SUMO1, SUMO2 and SUMO3 from the UBLE1A-UBLE1B E1 complex and catalyzes their covalent attachment to other proteins with the help of an E3 ligase such as RANBP2, CBX4 and ZNF451. Can catalyze the formation of poly-SUMO chains. Essential for nuclear architecture, chromosome segregation and embryonic viability. Necessary for sumoylation of FOXL2 and KAT5. Sumoylates p53/TP53 at 'Lys-386'. Mediates sumoylation of ERCC6 which is essential for its transcription-coupled nucleotide excision repair activity.
Molecular Mass	11.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 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 >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Ube2i ubiquitin-conjugating enzyme E2I [*Mus musculus* (house mouse)]

Official Symbol Ube2i

Synonyms

Ube2i; ubiquitin-conjugating enzyme E2I; UBC9; Ubce9; Ubce2i; 5830467E05Rik; SUMO-conjugating enzyme UBC9; RING-type E3 SUMO transferase UBC9; SUMO-protein ligase; ubiquitin carrier protein 9; ubiquitin carrier protein I; ubiquitin-protein ligase I; EC 6.3.2.19

Gene ID 22196

mRNA Refseq NM_011665

Protein Refseq NP_035795

UniProt ID P63280

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