

Recombinant Mouse Ecd Protein, Myc/DDK-tagged

Cat. No. Ecd-2714M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ecdysoneless cell cycle regulator (Ecd), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP. May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes. Involved in regulation of cell cycle progression. Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins. The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex. May play a role in regulation of pre-mRNA splicing.
Molecular Mass	71.7 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.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Ecd ecdysoneless cell cycle regulator [Mus musculus (house mouse)]
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Official Symbol	Ecd
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Synonyms	ECD; ecdysoneless homolog (Drosophila); protein SGT1 homolog; suppressor of S. cerevisiae gcr2; Hsgt1; 5730461K03Rik
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Gene ID	70601
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mRNA Refseq	NM_027475
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Protein Refseq	NP_081751
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UniProt ID	Q9CS74
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