

Recombinant Mouse Zer1 Protein, Myc/DDK-tagged

Cat. No. Zer1-7073M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse zyg-11 related, cell cycle regulator (Zer1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Serves as substrate adapter subunit in the E3 ubiquitin ligase complex ZYG11B-CUL2-Elongin BC. Acts redundantly with ZYG11B to target substrates bearing N-terminal glycine degrons for proteasomal degradation. Involved in the clearance of proteolytic fragments generated by caspase cleavage during apoptosis since N-terminal glycine degrons are strongly enriched at caspase cleavage sites. Also important in the quality control of protein N-myristoylation in which N-terminal glycine degrons are conditionally exposed after a failure of N-myristoylation.
Molecular Mass	89.1 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.
Concentration	>50 µg/mL as determined by microplate BCA method

 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

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

GENE INFORMATION

Gene Name	Zer1 zyg-11 related, cell cycle regulator [<i>Mus musculus</i> (house mouse)]
Official Symbol	Zer1
Synonyms	ZER1; zer-1 homolog (<i>C. elegans</i>); protein zer-1 homolog; zyg-11 homolog B-like protein; Zyg11bl; C230075L19Rik
Gene ID	227693
mRNA Refseq	NM_178694
Protein Refseq	NP_848809
UniProt ID	Q80ZJ6

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