

Recombinant Mouse Exo5 Protein, Myc/DDK-tagged

Cat. No. Exo5-2885M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length exonuclease 5 (Exo5), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Single-stranded DNA (ssDNA) bidirectional exonuclease involved in DNA repair. Probably involved in DNA repair following ultraviolet (UV) irradiation and interstrand cross-links (ICLs) damage. Has both 5'-3' and 3'-5' exonuclease activities with a strong preference for 5'-ends. Acts as a sliding exonuclease that loads at ssDNA ends and then slides along the ssDNA prior to cutting; however the sliding and the 3'-5' exonuclease activities are abolished upon binding to the replication protein A (RPA) complex that enforces 5'-directionality activity.
Molecular Mass	41.6 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 Exo5 exonuclease 5 [*Mus musculus* (house mouse)]

Official Symbol Exo5

Synonyms Exo5; exonuclease 5; Dem1; Exo V; mExo5; AV297100; 3110037I16Rik; exonuclease V; defects in morphology 1 homolog; defects in morphology protein 1 homolog; probable exonuclease V

Gene ID 73172

mRNA Refseq NM_001160043

Protein Refseq NP_001153515

UniProt ID Q9CXP9

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