

Recombinant Human EXO5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. EXO5-6115H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DEM1 MS Standard C13 and N15-labeled recombinant protein (NP_073611) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a single-stranded DNA (ssDNA)-specific exonuclease that can slide along the DNA before cutting it. However, human replication protein A binds ssDNA and restricts sliding of the encoded protein, providing a 5'-directionality to the enzyme. This protein localizes to nuclear repair loci after DNA damage.
Molecular Mass	41.9 kDa
AA Sequence	MAETREEETVSAEASGFSDLSDFLEFLDLEDAQESKALVNMPGPSSSESLGKDDK PISLQNWKRGLDILSPMERFHLKYLVTDLATQNWCELQTAYGKELPGFLAPEKAAV LDTGASIHARELELHDLVTPVTTKEDAWAIKFLNILLIPTLQSEGHIREFPVFGEVE GVLLVGVIDELHYTAKGELELAELKTRRRPMLPLEAQKKKDCFQVSLYKYIFDAMVQ GKVTPASLIHHTKLCLEKPLGPSVLRHAQQGGFSVKSLGDLMELVFLSLTLSDLPVIDI LKIEYIHQETATVLGTEIVAFKEKEVRAKVQHMYMAYWMGHREPQGV DVEEAWKCRT CTYADICEWRKSGVLSSTLAPQVKKAKTRTRPLEQKLISEEDLAANDILDYKDDDD KV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

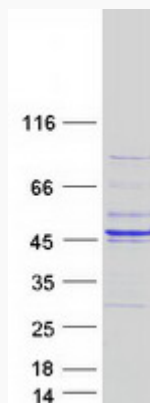
GENE INFORMATION

Gene Name	EXO5 exonuclease 5 [Homo sapiens (human)]
Official Symbol	EXO5
Synonyms	EXO5; exonuclease 5; DEM1; Exo V; hExo5; C1orf176; exonuclease V; defects in morphology 1 homolog; defects in morphology protein 1 homolog; probable exonuclease V
Gene ID	64789
mRNA Refseq	NM_022774
Protein Refseq	NP_073611
MIM	618601
UniProt ID	Q9H790

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SDS-PAGE

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