

Recombinant Full Length Human EXO5 Protein, GST-tagged

Cat. No. EXO5-2458HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DEM1 full-length ORF (NP_073611.1, 1 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	373 amino acids
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. [provided by RefSeq, Nov 2016]
Molecular Mass	68.2 kDa
AA Sequence	MAETREEETVSAEASGFSDLSDFLEFLDLEDAQESKALVNMPGPSSSESLGKDDK PISLQNWKRGLDILSPMERFHLKYLVTDLATQNWCELQTAYGKELPGFLAPEKAAV LDTGASIHLLARELELHDLVTPVTTKEDAWAIKFLNILLIPTLQSEGHIREFPVFGE GVLLVGVIDELHYTAKGELELAELKTRRRPMLPLEAQKKKDCFQVSLYKYIFDAMVQ GKVTPASLIHHTKLCLEKPLGPSVLRHAQQGGFSVKSLGDLMEVFLSLTLSDLPVIDI LKIEYIHQETATVLGTEIVAFKEKEVRQVQHYMAYWMGHREPQGVDFVEEAWKCR CTYADICEWRKSGVLSSTLAPQVKKAK

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	EXO5 exonuclease 5 [Homo sapiens (human)]
Official Symbol	EXO5
Synonyms	DEM1; defects in morphology 1 homolog (S. cerevisiae); C1orf176, chromosome 1 open reading frame 176; probable exonuclease V; FLJ21144; defects in morphology protein 1 homolog; Exo V; C1orf176; FLJ11445; FLJ13183; EXO5; exonuclease 5
Gene ID	64789
mRNA Refseq	NM_022774
Protein Refseq	NP_073611
MIM	618601
UniProt ID	Q9H790

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