

Recombinant Full Length Human EXO5 Protein, C-Flag-tagged

Cat. No. EXO5-2121HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human EXO5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	41.6 kDa
AA Sequence	MAETREEETVSAEASGFSDLSDFLEFLDLEDAQESKALVNMPGPSSSESLGKDDK PISLQNWKRGLDIL SPMERFHLKYLVTDLATQNWCELQTAYGKELPGFLAPEKAA VLDTGASIHARELELHDLVTPVTTKE DAWAIKFLNILLIPTLQSEGHIREFPVFGEV EGVLLVGVIDELHYTAKGELELAELKTRRRPMLPLEAQ KKKDCFQVSLYKYIFDAMV QGKVTPASLIHHTKLCLEKPLGPSVLRHAQQGGFSVKSLGDLMEVLFLSLT LSDLPVI DILKIEYIHQETATVLGTEIVAFKEKEVRQVQHYMAYWMGHREPQGVDFVEEAWKC RTCTYAD ICEWRKGSGVLSSTLAPQVKKAK TRTRPLEQKLISEEDLAANDILDYKDD DDKV

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

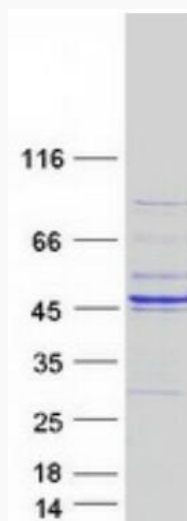
GENE INFORMATION

Gene Name	EXO5 exonuclease 5 [Homo sapiens (human)]
Official Symbol	EXO5
Synonyms	DEM1; Exo V; hExo5; C1orf176
Gene ID	64789
mRNA Refseq	NM_022774.3
Protein Refseq	NP_073611.1
MIM	618601
UniProt ID	Q9H790

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Coomassie blue staining of purified EXO5 protein.

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