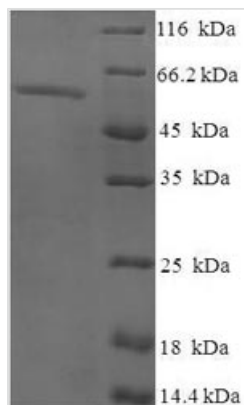




# Recombinant Human Exonuclease V (EXO5)

<b>Product Code</b>	CSB-EP863995HU
<b>Relevance</b>	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.
<b>Abbreviation</b>	Recombinant Human EXO5 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9H790
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	MAETREEETVSAEASGFSDLSDSEFLEFLDLEDAQESKALVNMPGPSSES LGK DDKPISLQNWKRGLDILSPMERFHLKYLYVTDLATQNWCELQTAYGKELPGFL APEKAAVLDTGASIH LARELELHDLVTPVTTKEDAWAIKFLNILLIPTLQSEGH IREFPVFGEGEGVLLVGVIDELHYTAKGELELAELKTRRRPMLPLEAQKKKDCF QVSLYKYIFDAMVQGVTPASLIHHTKLCLEKPLGPSVLRHAQQGGF SVKSLG DLMELVFLSLTSLDLPVIDILKIEYIHQETATVLGTEIVAFKEKEVR AKVQH YMAY WMG HREPQGV DVEEAWK CRTCTYADICEWRK GSGVLSSTLAPQVKKAK
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	EXO5
<b>Expression Region</b>	1-373aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	54.8kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Shelf Life

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